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WEST VIRGINIA, U. S. A.

ANNUAL REPORT

OF THE

Compliments of

James W. Paul,

Chief of Department of Mines.

CHIEF OF THE DEPARTMENT OF MINES,
CHARLESTON.



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WEST VIRGINIA, U. S. A.

ANNUAL REPORT

(3d)

OF THE

DEPARTMENT OF MINES

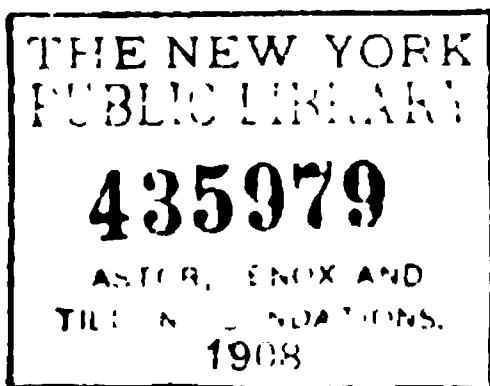
FOR THE YEAR ENDING

JUNE 30, 1907.

JAMES W. PAUL,

CHIEF OF THE DEPARTMENT OF MINES,

CHARLESTON.



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ERRATA.

- Page 2—3rd line should read "Figures taken from United States Geological Survey's report * * * *"
- Page 13—6th line from bottom in Harrison County should read: "Marshall Coal Co."
- Page 20—2nd line in table, Persinger Coal Co's. total production should read: "5,357."
- Page 41—Insert Asterisk before word "Worked" at bottom of page.
- Page 60—2nd line from bottom in McDowell County should read "Page Coal & Coke Co., Page Nos. 1 and 2" instead of "Oregon Coal Co."
- Page 78—2nd column in table; heading should read: "Name of Company."
- Page 83—First four names in 1st column should read as follows: "Williamson," "Sugar Tree", "Howard" and "Chattaroy."
- Page 85—Insert Asterisk before word "Just" next to last line at bottom of page.
- Page 112—Last two names in 1st column should each begin: "New River."
- Page 115—Insert Asterisk before word "Worked" at bottom of page.
- Page 152—1st name under Raleigh County should read: "New River Collieries Co."
- Page 185—Last column following figures 565 should be: "566."
- Page 190—Last column, last two lines, should each read: "Coaldale."
- Page 217—2nd word at bottom of page should be: "For."
- Page 386—After line number 369 in 1st column, insert the following: "504—Morris Creek Coal Co., Morris Creek, Ventilation."

PERSONNEL OF THE DEPARTMENT OF MINES.

JAMES W. PAUL, *Chief of the Department of Mines.*

EDWARD V. BYRNE, *Inspector for First District.*

FRANK E. PARSONS, *Inspector for Second District.*

JOHN F. BRATT, *Inspector for Third District.*

EARL A. HENRY, *Inspector for Fourth District.*

*JOHN I. ABSALOM, *Inspector for Fifth District.*

BONNER H. HILL, *Inspector for Sixth District.*

WILLIAM WARNER, *Inspector for Seventh District.*

*John I. Absalom, Inspector, until May 31, 1907.

LETTER OF TRANSMITTAL.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

To His Excellency, WM. M. O. DAWSON,
Governor of West Virginia.

SIR:—In compliance with law I have the honor to submit herewith my eleventh annual report, being the third annual report of the Department of Mines, for the year ending June 30, 1907, and embracing the twenty-fifth annual report upon the condition of the coal mines within the State as reported by the several district inspectors.

Very respectfully,

JAMES W. PAUL,
Chief of Department of Mines.

Charleston, W. Va., December 24, 1907.

ANNUAL REPORT.

ANNUAL REPORT.

To the Governor:—

The report herewith is for the year ending June 30, 1907.

INSPECTIONS MADE.

The District Inspectors during the year made a total of 1343 records of inspections and visits to the mines.

In addition to these a large number of visits were made for the purpose of conferring with officials relative to improvement of conditions within the mines.

As related in my previous report, the number of mines in each district has been so great that the Inspectors have been unable to make an inspection of each mine once every three months.

With the addition of five Inspectors, beginning on July 1st, 1907, it is hoped that the inspectors may be able to meet the requirement of the law in making four stated inspections of each mine during the ensuing year. but I much fear that contingencies may arise which may make it impossible to meet the letter of the law in this respect. Some mines necessitate frequent inspections which robs the time that might be spent at other mines.

LABOR IN MINES.

An effort has been made to ascertain the number of the different nationalities that are employed within the mines in the State, but owing to the incomplete reports made by some of the operators the effort has been only partially successful.

On page 86 of this report may be found a summary of the nationalities employed. The table is complete with the exception of listing the nationalities of 12,115 persons.

Out of a total of 56,209 persons employed the nationality is reported upon 44,094, and of this number there are 20,409 white Americans, 9,908 Negroes, 5,965 Italians, 2,753 Hungarians, 1,540 Polish and 3,519 employees of 24 other nationalities.

With such an heterogeneous mass of humanity, a large part of which is lacking in mining skill and knowledge of mining conditions, it is not surprising that mine disasters occur which shock the public mind and blemish the fair name of the State.

The mining industry of the State is passing through its most crucial period,—in the transition from English speaking workmen to the tongues of many European countries whose subjects are a menace to the safety of a mine.

Until a new generation is had, which has taken on the intelligence of a practical mine worker and which embraces the teachings of American institutions, there will remain a factor of danger within our mines that legislation cannot easily eliminate.

As the weakest link measures the strength of a chain, the most incompetent and unskilled mine worker establishes the safety within a mine.

LEGISLATION.

After repeated efforts made by this office for the past ten years to secure a revision of our mine law to meet the changing conditions, it is a matter of some personal gratification to know that acting upon the special report made to your Excellency on March 3, 1906, a Mining Commission was appointed for the purpose of revising our mining law.

This Commission in due course of time made its report and submitted the draft of a mining bill which the Legislature in regular session of 1907 enacted into law with a few radical amendments.

The workings of this law were in part effective for only thirty-nine days during the period covered by this report, and in such a brief period it was not possible to fully test the efficiency of its provisions.

A part of the law did not become effective until July 1st and other parts not until August 22nd, 1907.

In many respects the new law is a great improvement over the former law, but it will have to undergo the test of courts to prove its efficiency.

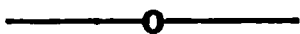
MINE FOREMEN.

That part of the Mining Commission's report relative to requiring a board of examiners to pass upon the competency of Mine Foremen failed of passage in the Legislature, but it is to be hoped that the requirement which, under the new law, makes it incumbent upon the Mine Foremen to take regularly measurements of the air currents within the mine may raise the standard of efficiency among such officials.

CHANGES OF INSPECTORS.

During the month of May, 1907, the Chief of the Department had to exercise the unpleasant duty of requesting the resignation of the Inspector for the Fifth District. This resignation was effective May 31st, 1907, and the written reports from that district are, in consequence, incomplete.

The new Inspector for the district did not assume the duties of the office until after the expiration of the year covered by this report.



CIRCULAR LETTERS ISSUED RELATIVE TO NEW MINE LAW.



DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

JAMES W. PAUL.
Chief Mine Inspector.

CHARLESTON, May 6, 1907.

Operators of Coal Mines,

West Virginia.

GENTLEMEN:—Your attention is directed to the provisions of the new mining law which becomes effective May 22, 1907, a copy of which you will find enclosed herewith, together with a synopsis of the contents of the law.

Under the provisions of this law each operator of mines employing

as many as five persons is required to furnish each employe a copy of the state law and a copy of the rules of the mine, the latter to be printed in the languages spoken by as many as ten employes. This provision becomes effective August 22, 1907, the date after which each employe shall be instructed as to the danger of his work and who shall work under the personal direction of a competent and practical mine man.

It is incumbent upon the operators of mines to procure the laws and adopt the rules as provided. The public printer has furnished me a schedule of prices at which quantities of the mine law may be had at a nominal price, which schedule I herewith enclose.

Beginning with May 22, 1907, each operator is required to furnish for the use of the mine foreman an anemometer to be used by the mine foreman in making measurements of the air currents within the mines. You will find enclosed a list of dealers who furnish anemometers. I would recommend the purchase of a 4 or 5 inch anemometer.

The law requires that mine foremen and fire bosses make a record of their work within a book having a form prescribed by this Department. You will find enclosed herewith the forms for these books which you may have made at your earliest convenience.

The public printer has named a price for these books as stated on the forms. As this feature of the law becomes effective May 22nd, it will be expedient to rule a few forms for use until permanent books are provided.

As to the adoption of rules and having these printed in the different languages, this is an expense to be borne by the operators, and I suggest that the operators of the different coal fields select committees to formulate rules adapted to the local conditions within the mines. The members of the inspection Department will gladly co-operate with the operators in this work.

The rules should be printed on card board for posting at the mine, also in pamphlet or folder form for distribution among the employes.

Receipts should be obtained from the employes for copies of the law and rules and kept on file.

There are many important changes in the law and all of its provisions and requirements will be exacted by the Department, hence it is of importance that mine managers and employes give it a careful reading.

Aside from the above, I may call attention to the following requirements:

Two safety lamps shall be kept at each mine.

Break-throughs in pillars shall not exceed 80 feet apart.

Steam locomotives will not be permitted to be used in any mine in which men are employed.

Powder shall be carried in 5 lb. cannisters.

Solid shooting may be done only as directed by the inspection Department.

Boys under 14 years not allowed to work in mines.

Stoppings to be made of material approved by the inspection Department.

Doors to be avoided in gaseous mines.

Air currents to be split; not over 60 persons allowed in any one split, effective August 22, 1907.

Two openings required at all mines.

Not over twenty persons may work to obtain a second opening.

Safety lamps to be used for work in gaseous mines.

Department may close any mine found in dangerous condition.

Very respectfully,

JAMES W. PAUL,

Chief Mine Inspector.

FEATURES OF THE MINE LAW—1907

1. Department of Mines in charge of Chief of Department of Mines, formerly Chief Mine Inspector. See Section 1.
2. District Mine Inspectors appointed by the Chief of Department of Mines. See Section 2.
3. Inspection districts increased to twelve. See Section 4.
4. (a) Operators to furnish map of mine on a scale of 100 or 200 feet to the inch. See Section 5.
(b) Direction of air current to be indicated on map by arrows. See Section 5.
(c) Plans of all new development to be furnished the District Inspector previous to making the development. See Section 7.
(d) Department may have survey of mine made if maps are not furnished, or if map so furnished is believed to be inaccurate. See Section 6.
(e) Operators to pay costs if original map is inaccurate. See Section 6.
5. (a) After August 22, 1907, the mine foreman shall instruct each person employed within the mine as to the particular danger of his work and furnish him a copy of the mine law and rules of the mine. See Section 8.
(b) Every inexperienced person employed shall work under the personal direction of the mine foreman or other experienced mine worker. See Section 8.
(c) Two openings required at all mines each to be available to travel of men. Not over twenty persons allowed to work in any mine having but one opening. See Section 8.

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6. (a) Metal speaking tube from top to bottom of shaft. Other means of signalling required. Safety catches and hoods on cages. Safety gates at top of shaft. Adequate brake on hoisting drum. See Section 9.
- (b) Hoisting machinery to be inspected once each day. See Section 9.
- (c) Traveling way around bottom of shaft required. See Section 9.
7. (a) Sober engineers to be in charge of hoisting machinery. See Section 10.
- (b) No more than ten persons shall ride on any cage or car at one time. No person allowed to ride on loaded car or cage in any shaft or slope. See Section 10.
- (c) Slope, haulways and motor roads used for travel shall be made sufficiently wide for persons to pass moving cars in safety. See Section 10.
- (d) Or refuge holes, kept whitewashed, shall be made on one side not over 60 feet apart. See Section 10.
- (e) No person shall travel on slope, engine plane or motor road when other roads for travel are provided. See Section 10.
8. (a) Ventilation,—In non-gaseous mines 100 cubic feet of air per minute for each employe required, or as much more as may be required by the District Inspector. Air shall be conducted to face of all workings. See Section 11.
- (b) Break-throughs shall be not over 80 feet apart in headings and rooms in the same pillar. See Section 11.
- (c) Stoppings to be constructed and made of material approved by the Inspector. See Section 11.
- (d) After August 22, 1907, the air current shall be split so as to not allow over 60 persons to be in the same current. Cases where 80 persons may be permitted in the same current. See Section 11.
- (e) No person allowed to work where the air current is less than 100 cubic feet of air per minute. See Section 11.
- (f) Dust in all mines shall be prevented from accumulating and mine kept watered down. See Section 11.
- (g) Powder to be taken into mines in five pound metallic cans. Quantity of explosives limited. See Section 11.

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9. (a) In gaseous mines,—Minimum ventilation 150 cubic feet per minute for each person or as much more as the Inspector may direct. See Section 12.
- (b) Stoppings to be made of material approved by the Inspector. Doors to be avoided. Overcasts made of incombustible material. See Section 12.
- (c) Safeguards to be used in worked out or abandoned parts of the mine. Prevent overflow of standing gas. Unlawful for any unauthorized person to enter such parts. See Section 12.
- (d) Twenty minutes shall elapse after shot before miner shall re-enter working place. See Section 12.
- (e) Workmen shall be withdrawn from mine when ventilation is disturbed. See Section 12.
- 10 (a) In gaseous mines the ventilation to be produced by a fan, which shall be run day and night. See Section 13.
- (b) Fire boss to be employed. Shall understand gases and their detection. Shall understand ventilation. Three years' experience in gaseous mines; his duties. See Section 13.
- (c) Danger signal to be displayed outside of mine. Shall begin examination within three hours before shift enters mine. Evidence to be left in working places. Shall make written report in book. See Section 13.
- (d) Unlawful to enter mine until signal has been displayed. See Section 13.
11. (a) Safety lamps to be used exclusively in gaseous mines, except by permission of Inspector. See Section 14.
- (b) Safety lamps to be in charge of a special person. See Section 14.
- (c) At all mines two safety lamps shall be kept. See Section 14.
12. (a) Mine foreman;—his duties,—Shall have had five years' experience in coal mines. See Section 15.
- (b) Shall keep careful watch over ventilation; attend to break-throughs; loose top; furnish props and timbers. Employes to notify mine foreman when in need of props. Miners shall prop the roof. Water to be removed from the mine. See Section 15.
- (c) Cross-cuts to be driven. See Section 15.

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- (d) Check doors to be used to ventilate rooms. See Section 15.
 - (e) No room to be turned off ahead of the ventilating current. See Section 15.
 - (f) Inspector may stop men from working. See Section 15.
 - (g) Air current to be measured by the mine foreman twice each month and recorded in a book. See Section 15.
 - (h) Anemometer to be provided by the operator. See Section 15.
13. (a) Assistant mine foreman shall have had three years' experience in coal mines. See Section 15.
- (b) Space on haulways to be made ten feet long by 30 inches wide every one hundred feet. See Section 15.
 - (c) Bore holes to be kept in advance. See Section 15.
 - (d) Signal light to be carried on each end of trips of cars. See Section 15.
 - (e) Stationary light to be maintained at top and bottom of shaft. See Section 15.
 - (f) Cages carrying men not to be lowered or hoisted at a speed greater than 600 feet per minute. See Section 15.
 - (g) Mine cars, neither empty nor loaded, shall not be hoisted while men are being lowered or hoisted. See Section 15.
 - (h) Cage having unstable platform not to be used for carrying men unless provided with device for locking same. See Section 15.
14. Stretchers to be kept on hand. See Section 15.
15. (a) Mine foreman or his assistant to visit and examine every working place every alternate day. See Section 15.
- (b) Shall not permit any one to work in unsafe place; exception. See Section 15.
 - (c) Props or timbers to be placed by miners. See Section 15.
 - (d) Mine foreman to notify operator of his inability to comply with requirements of this section. Duty of operator or agent. See Section 15.

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16. (a) Operator to furnish inspector facilities for entering and examining mine. See Section 16.
- (b) Duty of Inspector when mine is in unsafe condition. Notify operator and Chief of Department of Mines. See Section 16.
- (c) Chief of Department of Mines to examine mine and if he considers it unsafe has authority to close it. See Section 16.
- (d) Owner or operator may apply to Circuit Court, or judge thereof in vacation, for order directing mine to be re-opened. See Section 16.
- (e) Court, or judge thereof in vacation, to immediately hear and determine matters. See Section 16.
- (f) Notice of hearing, three days at least, to be given District Mine Inspector or Chief of Department of Mines. See Section 16.
- (g) Attorney General to represent the State. See Section 16.
17. (a) Boys under fourteen years of age and female persons not to be employed in mines. See Section 17.
- (b) Affidavits to be furnished by parents or guardian of age in all cases of doubt. See Section 17.
18. (a) Employes not to do any act that endangers life or property. See Section 18.
- (b) Employes not to disobey orders given in compliance with law. See Section 18.
19. Operators to furnish mine foreman all necessary supplies; right of action for damages. See Section 18.
20. Intimidation of employes prohibited. See Section 19.
21. (a) Explosions or other accidents:—Duty of superintendent or mine foreman; notify Inspector, and in case any one is killed thereby, notify coroner or justice of the peace also. See Section 20.
- (b) Inspector's powers and duties in case of explosion or other accident. See Section 20.
- (c) Coroner's duty to Inspector. See Section 20.
22. (a) Operators to make annual report during month of July to Chief of Department of Mines. See Section 21.
- (b) Any person, company or corporation transferring ownership of a

- coal mine shall report such transfer to Chief of Department of Mines within 30 days. Statement of tons of coal produced since first of July, last, previous to sale or transfer of such mine or mines. See Section 21.
23. Penalty for permitting persons to work, and for employes working, in any part of a mine in violation of instructions of Mine Inspector. See Section 22.
24. Solid shooting:—The District Mine Inspector to prescribe conditions under which such solid shooting may be done. See Section 23.
25. Steam locomotives not to be used in mines; exception. See Section 24.
26. (a) Rules to be adopted by operator for government and operation of mine or mines. See Section 25.
- (b) Printed on card-board in languages spoken by ten or more employes. See Section 25.
- (c) Post in drum house, tippie or some other conspicuous place. See Section 25.
- (d) Copy to be furnished each employe. See Section 25.
- (e) See Section 15 reference to timber in mines.
27. (a) Courts having concurrent jurisdiction. See Section 26.
- (b) Right of appeal. See Section 26.
28. (a) Mine Law applies to coal mines in which 5 or more persons are employed. See Section 27.
- (b) Mine foreman not required unless ten or more persons are employed. See Section 27.

DO NOT TAKE THIS BOOK INTO THE MINE.

N. B.—The fire boss will sign each report when made.

Use Indelible Pencil.

FIRE BOSS' RECORD BOOK.

Name of mineName of operating Company.....
Post office, County....., West Virginia.

1. Date,190.. What hour did you enter the mine.....
.....A. M.P. M.

-
2. Was the fan running when you entered?.....Did you date and sign
bulletin board before entering?.....
 3. What hour did you come out of the mine.....A. M.P. M.
 4. What sections of the mine did you visit and examine?.....
.....
 5. What sections of the mine did you not visit?.....
.....
 6. What did you write or display on bulletin board upon coming out of
the mine?
.....
 7. Did you detect any gas, and where?.....
.....
.....
 8. Did you brush out or remove any gas and where?...
.....
 9. Did you visit all places in the district assigned you?.....
 10. Did you find any doors standing open, and where?.....
.....
 11. How many places did you examine and mark safe?.....
 12. How many places did you mark dangerous, and where?.....
.....
 13. Did you find any crosscuts needing stoppings, and where?.....
.....
 14. Where is brattice needed in the mine?.....
.....
 15. Is brattice conducted to face of all gaseous places?.....
.....
 16. State condition of doors, stoppings and airways.....
.....
 17. State where you found any unsafe roof where men travel or work?..
.....
 18. Did you examine any part of abandoned works and did you find any
standing gas; and where?
.....
 19. Did you personally notify any employes of any danger and where was
the danger?
.....
 20. What parts of the mine are dusty?.....
.....
 21. When were the dusty parts last made wet?.....
.....
 22. What duties will you perform during the next 7 hours after examin-
ing the mine and making this report?.....
.....
- Signed thisday of, 190.....

Fire Boss.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

CHARLESTON, May 27, 1907.

JEWETT, BIGELOW & BROOKS COLLIERIES CO..

Marytown, W. Va.

GENTLEMEN:—

RE. MEASUREMENTS OF AIR IN MINES.

Replying to yours of the 20th inst., in which you suggest that the Superintendent or Mining Engineer take the measurements of air in different parts of the mines, as is required by the law to be done by the Mine Foreman, I may say that the purpose of this law was to raise the standard of Mine Foremen and at the same time insure a better ventilation of the mines.

Under the law the Mine Foreman will have to certify as to the correctness of the measurements and it would be important that Mine Foreman should be present at all times when these measurements were taken, if they should be taken by the Superintendent or Engineer.

After having been given the necessary instruction by the General Superintendent or Engineer, the Mine Foreman ought to be able to continue to make the necessary readings and calculations. However, the Department will have no objection to any operators having their Superintendent or Engineer check the accuracy of the measurements taken by the Mine Foreman.

In reference to the employment of Fire Bosses and using a Fire Boss' record book, this applies only to mines in which explosive gas is generated.

Yours truly,

JAMES W. PAUL,
Chief of Department of Mines.

J. W. P.

THE PAWAMA INJUNCTION.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

WELCH, W. VA., Nov. 14th, 1906.

MR. J. W. PAUL,

*Chief Mine Inspector,
Charleston, W. Va.*

DEAR SIR:—

The following is the report of the injunction proceedings against the Pawama Coal & Coke Co. to date:

Our counsel considered it very necessary that a legal notice be served upon the Company, consequently I served that notice myself on said Company. I met the General Manager, Mr. Parrott, and General Superintendent, Mr. J. C. Stras, on the train near their mines, and served the papers.

They begged, pleaded and argued, and then became abusive, charging

me with discriminating against them, of acting toward them with prejudice, and demanded that I inspect their mines again the next day, claiming that they had placed their mines in good condition since my inspection.

Finding that their policies availed them nothing, they became very threatening and tried very hard to intimidate me into withdrawing the proceedings and threatened to have all of the private mine inspectors of the Pocahontas Collieries Co. to inspect their mine and to prove in court that their mine was in good condition.

I appeared yesterday with counsel in court at Princeton, Mercer County, to present the application for injunction. A damage case was in progress before the court of a property holder against the Deepwater Railroad, involving only a few hundred dollars.

The court stopped long enough to endeavor to have counsel on both sides agree to a postponement to some future date. As I understood the law, I positively declined to agree to any future postponement and that the responsibility of the case not being heard would have to rest with other authority than the Mining Department.

The court stated that he would be busy for a month, and that if he heard our case at all, he would have to hear it at night.

The counsel for the Pawama Coal & Coke Co. stated that he had to leave the city and would not return before the 22nd of the month, and perhaps not until the end of the month, and that he had a number of witnesses to call, experienced engineers, private inspectors and uninterested men who were prepared to testify that their mines are in good condition, and that the facts, as charged in my bill of complaint, were not the conditions as existed in their mine.

The court then stated that it was a serious duty that the State officers had to perform to enforce the law, but that it was also a serious matter to close down a coal mine, as it would entail a serious loss to the owners and that he would hear the case on the night of Nov. 23rd at the Princeton Court House, Mercer County.

We are confronted with the following circumstances: A court that will postpone the hearing for such a length of time that it practically kills the effect of the law and entirely disables the Inspector to follow the case.

I have now spent four full days on this case and it will require as much more time to finish it, and the loss of so much time cripples my regular work. And the expense, which my counsel will be obliged to incur by such postponement, will consume more than his limited fee, allowed him by law, and the result is, no lawyer will take a case for the Mining Department.

Besides a coal company in this region is able to bring unlimited number of witnesses, who are willing to testify anything, against the State and at the behest of the coal company, that if the court decides the case according to the preponderance of witnesses (as is entirely likely), it will be useless to make any application for an injunction.

It is proven beyond doubt, that it is not only true, as the Governor has stated, "That there are coal companies who have no regard whatever for human life," but they stand ready to use perjured evidence to thwart

the efforts of the State to enforce the laws now existing for the health and lives of the workmen.

Surely this is ample reason for the Mining Commission to recommend that the present laws be revised.

During my time in Pocahontas during the West Fork Mine explosion many of the employes of the Pocahontas Collieries Co. appealed to me for advice as to the safety of said mine. Realizing that an expression of mine might result to the detriment of said Company, I advised employes to return to work, and many lawyers and numerous citizens, many of whom had relatives killed in said explosion, have come to me for information regarding the condition of said mine. I have refrained from saying anything that might injure the said Company. Now they allow their Inspectors to come in to this State to assist the opposition of the enforcement of *our* laws.

At this time I know that said mine of the Pocahontas Collieries Co. is exceedingly dangerous. That employes are being carried out overcome with bad air; and that two bodies were brought out of said mine last week and buried; and at this writing I have good reasons to believe that there are from 10 to 15 bodies in that mine not recovered.

I write you this to show you the unprecedented effrontery of these people.

I submit to you the following suggestions, if you wish me to continue this case to the end. No use of sending but one inspector to help corroborate my evidence, as it is a question if the entire inspection force of the State would be accepted by the court in preponderance of the witnesses that will be produced by the Company.

As the Company contends that they have put the mine in good condition since my inspection you may wire, or write me, if you wish me to make another inspection to learn if they have performed a miracle by putting air in that mine without a ventilating fan.

Let me have your instructions at once. I feel that it would be best to drop this case at the present stage and prepare to take the next case to the highest court and see if a circuit court can not be compelled to hear an application for an injunction without such an unreasonable postponement; or to fight the case to the end.

I wish you to advise me further regarding the expenses necessary to push such a case through the court. If the expenses, so entailed, are to be included in my regular monthly expenses it will greatly reduce the amount allowed me by law to carry on my regular work. The expenses of this case so far, personally, amount to about \$15.00, to say nothing of the expense of my attorney, paid by himself.

Another matter, regarding the holding of inquests, as provided by law when necessary, it is plain that the coal companies intend to hold their own inquests without giving the Mine Inspector an opportunity to be present, and taking particular caution that he will not be present, and to select their own jurors and proceed in every particular contrary to law.

I would also call your attention to the fact that these counties have

no finances and in case an application for an injunction is refused there is no way for the attorney to collect his fees according to law.

Awaiting your advice, upon the matters herein referred to.

Yours very truly,

(Signed.) WM. WARNER,

District Mine Inspector,

Welch, W. Va.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

WELCH, W. VA., Jan. 12th, 1907.

MR. J. W. PAUL,

Chief Mine Inspector,

Charleston, W. Va.

DEAR SIR:—

As per your request, I hereby send you a list of the names of the witnesses in the Pawama injunction case, which are as follows:

Mr. J. H. Parrott, General Manager and part owner,

Mr. J. C. Strass, Superintendent,

Mr. J. W. Young, Mine Boss,

Mr. John Strother, Inspector for the Pocahontas people,

Mr. T. O. Deamer, Mining engineer in the employ of Mr. Parrott, at one of his mines on Crane Creek.

Mr. John B. Neal, another Mining Engineer, not sure of whose employ, but I believe in the employ also of the Pocahontas people.

Mr. Lum Issaics, a coal miner in Pawama mine.

Mr. A. L. Watkins, also a coal miner in Pawama Mine.

Attached find letter from Mr. Henry, court stenographer. You will note that the cost of \$34.80 would only include the oral testimony, and Mr. Henry is under the impression that I was furnished with a copy of the affidavits of each of the Company's witnesses.

At the time of the hearing I was of the opinion that when the court permitted the Company's side of the case to be presented by affidavits that I, or my attorney, should have been furnished a copy of the same.

We were permitted to read said affidavits in court during the hearing, but that gave us no time to prepare our case against it.

The following is a synopsis of the evidence, as near as I can recall, which is quite correct:

I was first on the witness stand and made out my side of the case clearly, according to my regular monthly report forwarded to you.

In addition I explained matters of interest to the court, viz.: a description of the furnace, and measured upon the map, with a rule, the distances of the entries, which was over 8000 feet, for the purpose of showing that it was futile to attempt to ventilate such a large territory with such a rude furnace.

Mr. Parrott, in his affidavit sworn to, asserted that he had examined over 50 mines in this State and Pennsylvania and that the Pawama Mine contained superior ventilation than any mine he ever visited.

That he was General Manager of a number of Companies and that it was always the object of his life to have the very best conditions for his

employees, etc. Upon cross examination, he admitted that he had not been in the Pawama Mine for months previous to this time, and that he had never in his life ever handled an anemometer. Also admitted that he rarely entered his mines.

Mr. Strass, Supt., by affidavit, swore that ventilation and drainage were pure, and that the ventilation was much in excess of what the law required, and along in that strain. Upon cross examination, he admitted that he did not write his own evidence of his affidavit, and had not read it before signing it. And denied all of the admissions that I had testified to his having made to me at the time of my inspection.

Mr. Young, the Mine Boss, by affidavit, swore about practically the same as the Supt., also that he was present with me throughout the inspection and that I only pretended to measure the air (notwithstanding that I had repeatedly offered him the anemometer) to try for himself.

His affidavit was so absurd that my counsel and I agreed not to call him for cross examination.

Mr. Strother, Mine Inspector (for Pocahontas people), by affidavit, swore that he had found much more ventilation than the law required, and gave large figures as the amount of air found everywhere throughout the mine.

On cross examination he corroborated his affidavit and admitted that he had never inspected said mine prior to the time said injunction had been applied for, and that he had inspected said mine by orders of his chief engineer.

Mr. Deamer and Neal, mining engineers, by affidavits, testified to practically the same, giving the same figures exactly as the large volume of air found everywhere throughout the mine, and concluded by stating that, "upon returning to the furnace they were surprised to find that the fire in said furnace was out."

We did not call the two miners to the stand for cross examination. Their affidavits stated that they enjoyed good health, much better since employed at the Pawama mine than at any mine they had ever been employed at, and that said mine had better ventilation by far than any mine they had ever worked in. These same miners, at the time of my inspection, worked only a short distance from the pit mouth through the first door straight ahead from the pit mouth opening.

Yours very truly,

(Signed.) WM. WARNER.

Mine Inspector 7th District.

RULINGS AND OPINIONS.

DEPARTMENT OF MINES,
STATE OF WEST VIRGINIA.

CHARLESTON, Dec. 17, 1906.

*To the District Mine Inspectors,
West Virginia:*

I have had a conference with the Attorney General's office in regard to whether a Mine Inspector may appear before a court in the capacity

of an attorney in an effort to obtain a restraining order from a court, without being represented by a licensed attorney at law, and I am advised that the latter part of section 12, chapter 50, Acts 1887, contemplates the services of an attorney at law in such cases.

If you find a mine being conducted in violation of law to such an extent that the health and lives of the employes are in danger, and if in your judgment you have reason to believe that imminent danger to life or injury to health may ensue by reason of conditions that cannot be remedied immediately, then, if the violation and dangers are such as to be apparent to intelligent and honest men, it would be your duty to immediately apply for an injunction, and a failure to obtain an injunction under such circumstances should not deter you in dealing with other similar conditions.

At a mine where there is danger to health or life, through violations of the law, and if in your judgment it would be safe to operate the mine a reasonable length of time until certain dangerous conditions could be remedied, it would be a reasonable procedure to notify in writing the operator or agent of the mine requesting that you be given some assurance that the matter complained of will be given the attention within the time stated in your letter, and if for reasons which you can establish you believe the operator or agent shows no disposition to remedy the dangers, then you should make application for a restraining order.

For violations of the mandatory, other than as noted above, law, on the part of the operators, agents or employes, you should report such violations to the Prosecuting Attorney of the County and render such services as possible in bringing the matter before the Grand Jury.

For your information and guidance the following are furnished, that you may have the benefit of the opinion of the Attorney General upon certain features of the Mining Laws.

Very respectfully,

JAS. W. PAUL,

Chief Mine Inspector.

OPINION OF ATTORNEY GENERAL.

CHARLESTON, Nov. 20, 1906.

HON. C. W. MAY,

Attorney General,

Charleston, W. Va.

DEAR SIR:—

A question concerning the enforcement of law confronts this Department, upon which your advice is solicited.

Sec. 2, Chapter 46, Acts of 1905, says, in part, that the District Mine Inspector shall see that all the provisions of the Mining Statutes are strictly carried out.

Sec. 6 requires that two openings shall be provided at all mines.

Section 12 provides that a restraining order shall be applied for where the Inspector deems it necessary for the protection of the lives and health of the employes.

Sec. 6 restricts the number of men to be employed to 20 where a second

opening is not provided, and then only for the purpose of making the second opening.

The question, is, First.—at a mine where there is no apparent and immediate danger and where more than 20 men are employed, and there is but one opening to the mine, shall the Inspector proceed by injunction to have a compliance relative to a second opening in order to fulfill his duty as outlined in Sec. 2, as noted above, particularly at such mines where more than 20 men are employed for the extraction of coal and not for the purpose of making the second opening, as required in Sec. 6 of the Mine Law.

Second,—at a mine where more than twenty men are employed, and there is but one opening to the mine, where explosive gas is generated in the mine, or where by reason of lack of ventilation the health and safety of the employes are in danger, shall the Inspector proceed under Sec. 12 to restrain the further operation of the mine, or should information to be given by the Inspector to the Grand Jury direct or to the Prosecuting Attorney.

An opinion covering the above matters will be much appreciated.

Yours very truly,

(Signed.) JAS. W. PAUL,
Chief Mine Inspector.

CHARLESTON, W. VA., Dec. 7, 1906.

MR. JAMES W. PAUL,
Chief Mine Inspector,
City.

DEAR SIR:—

Replying to your letter of Nov. 20, 1906, wherein you submit for my consideration certain statements of facts regarding two certain mines, and ask for my opinion on the law as to what in each particular instance is the duty of the Mine Inspector thereon; and how, according to the facts stated, it would be proper for him to proceed against the owners or operators of said mines, if not complying with the law.

According to your letter the important facts concerning the first mine are that:

1st. "There is but one opening to the mine;"

2nd. "There are more than twenty men working in said mine, and they are employed for the extraction of coal and not for the purpose of making a second opening;"

3rd. "There is no apparent or immediate danger in said mine."

This statement of facts shows that the operator or agent of said coal mine is not complying with the provisions of Sec. 6 of the Acts of 1887, ch. 50, which is Sec. 405 of the Code of 1905, and which provides;

"It shall be unlawful for the operator or agent of any coal mine to employ any persons that work in said mine, or permit any persons to be in said mine for the purpose of working therein, unless they are in communication with at least two openings or outlets, separated by natural strata, of not less than 100 feet in breadth if the mine be worked by shaft, and of not less than 50 feet in breadth if worked by slope or drift."

Said section 6 goes on further to provide, in reference to said outlets, setting out in detail several things that must be done in connection therewith for the escape of the employes in case of emergency or accident. And referring to said openings or outlets in the same section, two exceptions are mentioned:

First.—“To any mine while work is being prosecuted with reasonable diligence in making communication between said outlets, so long as not more than twenty persons are employed at any one time.”

Second.—“To any mine, or part of mine, in which the second outlet has been rendered unavailable by reason of the final robbing of pillars preparatory to abandonment, so long as not more than twenty persons are employed therein at any one time.”

By the statement of facts set forth by you this said mine does not come within either one of said exceptions.

Section 12 of ch. 50 of the Acts of 1887 provides that:

“If any Inspector shall discover any mine that does not in its appliances, for the safety of the persons employed therein, conform to the provisions of this Act, or that by reason of any defect or practice in or at such mine, the lives or health of persons employed therein are in danger, he shall immediately, in writing, notify such operator or agent thereof, stating in such notice the particulars in which he considers such mine to be defective or dangerous.”

Said section goes on further to provide that:

“If he (the Inspector) deem it necessary, for the protection of the lives or health of the persons employed in such mine, he shall, after having given notice to said operator or agent of his intention so to do, apply without bond to the Circuit Court of the county in which said mine is located, or to the Judge thereof in vacation, for an injunction to restrain the operating of said mine until said danger is removed.”

I am of the opinion that by reason of the “defect or practice” in or at such “mine”, namely, a failure to have two openings or outlets as the law plainly provides is proper ground to ask for an injunction, as provided in section 12. But as your letter states that at this time “there is no apparent or immediate danger in said mine”, I believe it would come within the spirit and intent of this law for the Inspector to notify, immediately, in writing, such operator or agent, stating in his notice the “particulars” in which he considers such mine to be defective or dangerous, and calling upon him to forthwith place said mine in conformity with the legal requirements; that said operator or agent be required to promise forthwith to comply with the law; and that if he fails within a reasonable time to do so, he will be enjoined and compelled to comply.

Your second statement of facts regarding the second mine is the same as the first, except in addition thereto “explosive gas is generated in said mine, where, by reason of lack of ventilation, the health and safety of the employes are in danger”.

As to this particular case the Inspector should not hesitate, but as the law provides in said Sec. 12, he should forthwith give notice to said operator or agent of his intention to apply for an injunction (which, as the law provides, he can do), to the Circuit Court of the county, if in session, and if not in session to the Judge thereof in vacation.

In the case of this mine where there is no doubt but that, under the law, as provided for in Sec. 10 of said chapter, said operator or company operating said mine, could be proceeded against by indictment; but as there may not be any grand jury in that county for some time to come, it would not be advisable to wait as it is a matter too important to be postponed.

Should it be necessary at any time to proceed against any person or company by way of an indictment for a violation of the mining law, I would suggest that the Inspector call the attention of the Prosecuting Attorney of the county, where the mine is, to the matter. And that he give to the Prosecuting Attorney the names of all necessary witnesses to go before the grand jury. However, he may at any term of a Circuit or Criminal Court, without first consulting the Prosecuting Attorney, go himself before the grand jury and give evidence of the violation of the mining laws of the State, and he can also have Clerks issue and sheriffs serve subpoenas for as many other persons as he deems necessary witnesses. Also, he can call the attention of the Judge to any violation of said laws and ask him to charge the grand jury to investigate the same.

Very respectfully,

(Signed.) C. W. MAY,
Attorney General,
By D. E. M.
Ass't.

OPINION OF ATTORNEY GENERAL.

The following is in reply to a request for a ruling on the "Citizenship of Mine Foreman" as required by the mining law:

CHARLESTON, W. VA., June 11, 1907.

HON. J. W. PAUL,
Chief, Department of Mines,
City.

DEAR SIR:—

Replying to your letter of the 5th inst., will say that it is true that Sec. 15 of Ch. 78, Acts of Legislature, 1907, provides, among other things, speaking of the qualifications of mine foremen. "He shall be a citizen of this State," etc. As to this provision, namely, his "citizenship" I take it that this provision is mandatory and must be followed.

You mention the case of a mine foreman now in this State who is, however, a resident of Pennsylvania; and if there is any question about his not complying with the law, you ask me to state, if in my opinion, by his moving into the State and declaring his intention to become a citizen of West Virginia the same would qualify him to continue as mine foreman. In answer to your enquiry I will state that I am of the opinion that his so moving and declaring himself would make him qualified to serve.

Very respectfully,

C. W. MAY,
Attorney General.

PRODUCTION OF COAL AND COKE.

From the 788 producing mines operated by 385 firms, together with the small country mines, the coal produced during the fiscal year 1907 was 40,040,311 gross tons, an increase over the previous year of 2,636,837 tons.

The coke manufactured was 3,828,649 net tons, an increase of 294,335 tons over the previous year.

The total gross revenue obtained from the coal and coke summarizes as follows:

Total value of coal produced	\$42,042,326.55
Less value of coal used for steam at the mines	\$ 627,719.40
Less value of coal used in coke ovens	5,839,581.30 6,467,300.70
Total value of coal sold	\$35,575,025.85
Total value of coke produced	8,767,606.21
Total gross value of product placed on the market	\$44,342,632.06

From the foregoing it is found that the increased values over the previous year were: Coal, \$5,012,887.29; and coke, \$1,911,037.05.

The coal produced was disposed of in the following manner:

	(Tons of 2,240 lbs.)
Used in operating the mine	597,828
Furnished local trade and tenants	418,390
Used in the coke ovens	5,561,506
Shipped from the mines	33,462,587
Total	40,040,311

The above tonnage, compared with the previous year, originated in the several Geographical Districts, as follows:

Districts	1907	1906	Changes	
Potomac	1,883,933	1,826,784	I	57,149
Monongahela	10,176,636	9,296,456	I	880,180
Wheeling	1,302,054	944,698	I	357,356
Interior	93,592	.....	I	93,592
Kanawha-New River	13,637,951	13,242,177	I	395,774
Norfolk & Western	12,766,145	11,913,359	I	852,786
Small mines in State	180,000	180,000	..	.....
Totals	40,040,311	37,403,474	I	2,636,837

MACHINE MINED COAL.

The quantity of coal mined by the use of machines was 14,549,183 tons which is 36.34 per cent. of the total coal production of the State and 1,215,581 tons in excess of the machine mined coal during the year 1906

There were 1,508 machines in use at 360 mines and furnished employment to 12,248 persons.

The following tabulation exhibits the growth of machine mining since 1897:

PROGRESS OF MACHINE MINED COAL, 1897 TO 1907, INCLUSIVE.
(Tons of 2,240 lbs.)

Total m- ytes ident to achines	Tons Produced by Machines	Percentage of Coal to Total Coal Production	Days Work- ed
552	18	5.12	127
933	33	7.4	214
1,008	79	10.65	240
3,371	111	13.43	261
3,967	153	17.65	225
4,813	123	21.94	249
5,531	194	27.50	201
9,396	142	30.82	209
10,237	1	32.74	313
10,855	1	35.65	231
2,243	1	35.34	234
TOTALS	7,169	62,610	67,480,429
			Avg. 225

Tons for 1907 per each employe.	1,168
Tons per each employe per year (average for 11 years) ..	1,078
Tons produced by each machine per year (average for 11 years) ...	9,414
Average days worked per year (average for 11 years) .	225
Average tons produced by one machine per day (average for 11 years)	41.8
Average tons produced by one machine per month of 30 days (aver- age for 11 years).....	1,066.8

**TONS OF PICK MINED COAL PRODUCED PER EACH PICK MINER.
IN COMMERCIAL COAL MINES, 1897 TO 1907, INCLUSIVE.
(Tons of 2,240 lbs.)**

YEAR	Pick Coal from Com- mercial Mines.	Pick coal from small country mines	Pick Miners in com- mercial mines	Pick Miners in small country mines.	Days work- ed.	Tons pro- duced in comm- er- cial mine per pick miner
1907	10,971,482	133,929	13,216	No rec'd	197	830
1908	13,084,572	140,000	14,036	do	214	983.
1909	14,356,871	150,000	14,119	do	240	1,017.5
1900	16,199,300	150,000	14,723	do	261	1,100.
1901	16,533,138	175,000	16,000	do	225	995.
1902	18,043,260	180,000	16,960	do	249	1,129.8
1903	16,420,904	180,000	16,287	do	201	1,008
1904	18,497,025	170,000	16,890	do	200	979.7
1905	21,007,248	180,000	19,602	do	219	1,071.7
1906	23,880,572	180,000	19,133	do	231	1,248.7
1907	25,311,128	180,000	19,287	do	234	1,312.
Totals	194,324,700	1,818,929	181,258		2474	

Average tons per year for each miner, (11 years).....	1,072
Average time worked per year (11 years).....	225 days.

ACREAGE MINED.

The total acreage of coal mined within the State, based upon returns made by the operators, and calculations of this office, since 1897, is presented in the following table:

1897	.....	1,733.9	acres.
1898	.....	2,184.6	"
1899	...	2,361.2	"
1900	.....	2,638.8	"
1901	.....	2,854.6	"
1902	.....	3,353.	"
1903	.....	3,222.3	"
1904	.....	3,967.9	"
1905	.....	4,691.8	"
1906	.....	5,516.5	"
1907	.....	5,779.7	"
Total		38,304.3	"

DAYS WORKED.

The mines in the State averaged 234 working days against 231 for the previous year.

TRANSPORTATION OF COAL AND COKE.

During the year the railroads within the State report having handled a total net tonnage of 34,353,073 tons of coal, and 3,820,041 tons of coke of which amounts there originated on the various lines 33,383,204 tons of coal and 3,363,870 tons of coke, while the coal operators report having shipped from the mines 37,478,097 net tons of coal. Between the tonnage originating on the railroads and that reported as shipped from the mines there is a difference of 4,094,893 net tons in excess of the tonnage reported by the railroads. This may be attributed to the railroads not having reported the fuel coal handled by the railroads, several of which failed to report the tonnage of West Virginia fuel consumed by the railroad.

KANAWHA RIVER SHIPMENT.

For the calendar year 1906 the tonnage of coal and coke floated down the Great Kanawha River amounted to:

Coal 1,186,300 and coke, 500 net tons; and for the six months ending June 30, 1907, coal 802,428 tons and no coke reported. This does not include the tonnage of fuel consumed by water craft and local river trade.

COKE OVENS AND COKE PRODUCTION.

At 126 coke plants there is reported a total of 18,941 ovens, of which number 12,739 were in active service for 257 days, there being 6,202 ovens reported not in use during the year.

In the manufacture of 3,828,649 net tons of coke there were used, 6,228,888 net tons of coal, furnishing employment to 4,809 persons.

The increase in the production of coke over the previous year was

Coke at the ovens sold on an average for the year at \$2.29 per ton of 2,000 lbs., an increase of 35 cents over the previous year.

STRIKES.

During the year there was no strike of importance wherein many employes were involved or the production of coal materially curtailed.

In all there were 4 mines in the State where there was a suspension of work by the employes, including 534 persons. At three of these mines a wage loss of \$20,250.00 was reported to the employes, and at two mines a loss of \$7,000.00 was reported to the operators.

ACCIDENTS.

During the year there were 356 lives lost by accident, of which number 324 were inside and 32 outside of the mines, and of the 324 inside there were 146 killed in six accidents.

A total of 448 non-fatalities occurred at the mines, of which 430 were inside and 18 outside of the mines.

From January 26th, 1907, to February 16th, 1907, inclusive, a total of 22 days, there were 124 lives lost in four explosions; 85 in one, 25 in another, 12 in the third and 2 in the fourth. Also on May 1st, 1907, an explosion killed 16 persons.

Briefly summarized the explosions in which two or more persons were killed are as follows:

July 2, 1906,	Keystone Mine, McDowell County, Gas	4 killed.
July 19, 1906,	Dixon-Pocahontas Mine, McDowell County, Gas	4 killed.
Dec. 14, 1906,	Pulaski Mine, McDowell County, Powder (outside)	6 killed.
Jan. 26, 1907,	Penco Mine, Upshur County, Powder and Dust	12 killed.
Jan. 29, 1907,	Stuart Mine, Fayette County, Gas and Dust	85 killed.
Feb. 4, 1907,	Thomas No. 25 Mine, Tucker County, Gas	25 killed.
Feb. 16, 1907,	Yuma Mine, Logan County, Blownout shot	2 killed.
Apr. 15, 1907,	Gilliam Mine, McDowell County, Powder (outside)	5 killed.
May 1, 1907,	Whipple Mine, Fayette County, Gas	16 killed.

Total159 killed.

Had it not been for the unusual severity of explosions the death rate due to accidents would have been much below the normal fatality ratio.

Each of the accidents, above listed, is fully described in another part of this report, and special attention is directed to the circumstances under which these horrible calamities occurred.

The principal agent of destruction, in most of these explosions, was gas together with powder and dust.

Lack of competency and discipline is largely responsible for a number of the explosions, and carelessness in many instances is responsible for many fatalities.

For the third time in the history of mining in this State the number killed by explosions exceeds that of persons killed by falls of roof.

During the year 1907 the causes and lives lost *inside* summarizes:

Killed by explosions, all forms	147
Killed by falls of roof	139
Killed by mine cars	20
Killed by other causes	18

Total.....324

Should a greater care be exercised to prevent accidents by falls of roof and by mine cars the list of fatalities would be much less.

The every-day fatality does not impress public sentiment to the same extent as explosions, although the number killed by falls and mine cars in the aggregate far outnumbers those killed by explosions.

Since 1897 there have been killed inside the mines of the State by falls of roof 928 persons; by mine cars 132 persons; by gas explosions 122 and by all other causes 417 persons, still but little is heard in advocacy of remedies to prevent fatalities from falls of roof and from mine cars.

As to the length of experience of persons killed and injured, for the past seven years from 1901 to 1907, inclusive, there were injured and killed the following number of persons:

Having a mine experience of 1 year or less	909 persons.
2 to 5 years	892 "
6 to 10 years	366 "
11 to 25 years	241 "
26 to 50 years	48 "
Many years	148 "
Unknown	613 "
<hr/>	
Total.....	3,217 "

The Department has no record of the percentage of persons employed, with their terms of experience but the table above is ample proof that a greater number having a year or less experience suffers the greatest loss.

Since 1883 the average lives lost inside for every 1,000 persons employed inside the mines has been 4.53.

During the year 1900 the ratio per each 1,000 was 6.09 but for the past year the ratio was 7.34.

ELECTROCUTIONS.

During the year five lives were lost by electrocution. From 1899 to 1907, inclusive, there have been 17 lives lost by electrocution within the mines.

FATAL ACCIDENTS INSIDE, THEIR CAUSES, SINCE 1897.

CAUSES.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	Totals
Falls of roof...	47	67	64	61	76	79	96	95	105	99	139	928
Mine cars	6	6	7	11	11	13	12	12	18	16	20	132
Gas explosions .....	.....	1	.....	50	10	...	24	3	1	4	29	122
All other causes	7	2	8	11	24	18	15	13	52	131	136	417
TOTALS ...	60	76	79	133	121	110	147	123	176	250	324	1,699

SUMMARY OF ACCIDENTS INSIDE THE MINES, 1907-1906.
(I, means increase; D, decrease.)

	1907	1906	Changes.
Number of employes inside	44,147	40,865	3,282 I
Number of days mines were operated..	234	231	3 I
Number of persons killed inside.....	324	250	74 I
Number of days' work accomplished.....	10,330,398	9,439,815	890,583 I
Number killed per 1000 employes inside ..	7.34	6.11	1.23 I
Number killed per 1000 days' work inside...	.0313	.0264	.0049 I
Number injured non-fatally inside.....	430	270	160 I
Number injured per 1000 employes inside	9.739	6.606	3.133 I
Number injured per 1000 days work inside....	.0416	.0286	.0130 I
Number of inside employes for each fatality inside	136	163	27 D

TONNAGE PER FATALITY.

Since 1883 the average tons of coal produced per each fatality have been 166,982. During 1907 the tonnage per fatality was 123,026.

At those mines where fatal accidents occurred there was an average of one life lost for each 42,705 tons of coal produced.

The total of 324 lives lost inside occurred at 131 mines employing 13,843 persons and producing 13,836,562 gross tons of coal, while at all other mines there were produced 26,203,749 tons without the loss of a single life inside of the mines.

DISTRICT INSPECTORS' REPORTS.

Elsewhere in this report will be found the annual reports of the district mine inspectors upon the condition of the mines in their respective districts.

There is no written report covering the Fifth District for the reason that the Inspector of that District resigned on May 31st, 1907, and up to the 30th of June, 1907, no additional inspections were made of the mines in the district. However, the mines in the district are reported upon in tabulated form, the condition being given as reported upon by the retiring inspector, John I. Absalom, from the monthly reports made by him to the Department.

The writer desires, in conclusion, to express his appreciation of the confidence reposed in him by your Excellency in his conduct of the affairs pertaining to this Department.

Respectfully submitted,

JAMES W. PAUL,

Chief of Department of Mines.

Charleston, W. Va., December 24, 1907.

STATISTICAL.

*Coal Tonnage of Several of the Leading Coal Producing States for the
Calendar Year 1906.*

(Figures taken from United Geological Survey's Report on Coal for 1906.)

Rank	(Tons of 2,000 lbs.)
1. Pennsylvania	<div> <div>Bituminous</div> <div>Anthracite</div> </div> <div> <div>129,293,206</div> <div>71,282,411</div> </div>
2. West Virginia	43,290,350
3. Illinois	41,480,104
4. Ohio	27,731,640
5. Alabama	13,107,963
6. Indiana	12,092,560
7. Colorado	10,111,218
8. Kentucky	9,653,647
9. Iowa	7,266,224
10. Tennessee	6,259,275
11. Wyoming	6,133,994
12. Kansas	6,024,775
13. Maryland	5,435,453
14. Virginia	4,254,879
Total	393,417,699
Total all other States	20,739,579
Total for United States	414,157,278

West Virginia for year ending June 30th, 1907 (Report of De-
partment of Mines of W. Va.) 44,845,148

THE FOLLOWING TABLE EXHIBITS A COMPARATIVE STATEMENT AND SUMMARY OF THE ANNUAL REPORTS
FOR 1907 AND 1906.

	For year ending June 30th, 1907.	For year ending June 30th, 1906.	Increase of 1907 over 1906.	Decrease of 1907 under 1906.
Number of counties in which coal is mined on a commercial scale.....	29	29	3	
Number of firms operating coal mines on a commercial scale.....	255	378	12	
Number of mines.....	788	780	8	
Number of tons (2,240 lbs.) of machine mined coal from commercial mines.....	25,811,128	22,889,872	1,451,256	
Total number of tons (2,240 lbs.) of coal from commercial mines.....	14,549,188	12,853,002	1,215,881	
Estimated ton.....	30,860,811	27,228,474	2,632,337	
Total number of.....	180,000	180,000		
Number of ton.....	40,040,811	37,408,474	2,632,337	
Total value of.....	6,228,888	5,700,385	528,503	
Total value of.....	8,828,649	8,594,814	233,835	
Total value of.....	42,042,825.55	37,029,438.28	5,012,887.27	
Total value of coke at the ovens.....	8,767,506.21	6,850,509.16	1,911,007.05	
Value of a ton of coal at the mines (2,240 lbs.).....	1.05	.90	.15	
	29	1.94	.35	
	48	1,267	341	
	39	11,153	1,538	
	34	251	3	
	37	254	3	
	37	19,182	155	
	48	10,855	1,303	
	112	10,878	1,784	
	99	6,581	778	
	99	4,873	490	
	95	51,769	4,406	
	56	208	88	
	48	200	140	
	58	198		35
	26	178		47
	67	138,808		26,028
	60	124,498		26,513
	55	107	48	
	35	216	60	
	72	5,516.54	203.19	
	64	1,241	23	
	65	500.37	48.63	
	69	49.95	3.64	
	49	48	1	

**TABLE SHOWING PRODUCTION OF COAL AND COKE FOR THE
YEARS 1883 TO 1907, INCLUSIVE.**

*Years	Coal (Tons of 2,240 lbs)	Coke (Tons of 2,000 lbs)	Years	Coal (Tons of 2,240 lbs.)	Coke (Tons of 2,000 lbs.)	Years	Coal (Tons of 2,240 lbs.)	Coke (Tons of 2,000 lbs.)
1883.	2, 5	190,889	1893 ..	9 91	1,090,909	1903	22,913,098	2,163,876
1884.....	3, 0	182,000	1894...	9 28	1,067,168	1904	26,964,716	2,276,461
1885.	3, 1	187,619	1895 ..	9 99	1,204,657	1905 ..	31,603,029	2,738,777
1886.	3, 2	228,623	1896....	12 48	1,594,001	1906 ..	37,409,474	3,534,314
1887.	4, 9	481,477	1897 ..	11 29	1,374,497	1907 ..	40,040,811	3,828,649
1888.	4, 1	617,317	1898 ..	14 65	1,742,258	.....	.....	.....
1889.....	4, 7	860,716	1899 ..	16 50	1,950,179	.....	.....	.....
1890.	5, 6	892,480	1900 ...	16 11	2,496,107	.....	.....	.....
1891	7, 7	1,208,418	1901 ...	21 91	1,932,912	.....	.....	.....
1892.	7, 0	1,353,439	1902...	21 88	2,249,744	.....	.....	.....

*Calendar years 1883 to 1895 inclusive. Since 1897 the coal and coke statistics have been given for the fiscal years ending June 30th.

**TABLE SHOWING THE COKE PRODUCTION, BY COUNTIES, FROM
1897 TO 1901, INCLUSIVE.**

(Tons of 2 000 lbs)

COUNTIES.	1897	1898	1899	1900	1901
Barbour .....	.....	1 350	5,980	12,579	12,686
Fayette	329,080	394,052	454,999	481,699	442,411
Harrison .....	.....	5,419	5,871	15,994	5,190
Kanawha	20,122	21,576	10,963	32,065	30,722
Marion	142,048	149,080	155,985	298,119	118,285
McDowell	567,070	781,681	923,166	1,070,031	963,702
Mercer	115,522	149,001	192,932	207,277	167,769
Monongalia	2,778	12,337	5,204	17,077	5,777
Preston	19,587	28,450	34,023	46,250	6,500
Raleigh	18,454	20,007	20,398	15,460	.....
Randolph .....	.....	.....	.....	8,223	13,498
Tucker	159,842	229,261	140,039	295,731	176,392
Totals	1,374,497	1,742,258	1,950,179	2,496,107	1,932,912

**TABLE SHOWING THE COKE PRODUCTION, BY COUNTIES, FROM
1902 TO 1907, INCLUSIVE.**

(Tons of 2,000 lbs)

COUNTIES	1902	1903	1904	1905	1906	1907
Barbour.....	15,682	20,991	19,128	11,967	17,643	34,080
Fayette	515,398	437,060	434,919	430,163	614,428	615,577
Harrison	16,672	62,382	621	.....	768	22,390
Kanawha	29,722	25,749	9,547	19,903	31,527	18,287
Marion	210,451	282,924	102,416	127,850	171,021	233,700
McDowell.	929,433	1,016,998	1,170,200	1,380,805	1,609,426	1,744,819
Mercer	175,083	167,547	190,132	267,697	318,357	313,117
Monongalia.	19,948	30,509	22,999	42,002	58,204	113,031
Preston	18,630	34,627	27,611	79,757	142,236	222,846
Raleigh .....	.....	.....	.....	.....	.....	.....
Randolph	88,845	120,387	77,077	146,243	231,616	244,054
Tucker	279,680	234,122	221,601	231,500	253,492	262,951
Taylor .....	.....	.....	.....	.....	.....	1,747
Upshur .....	.....	.....	.....	.....	.....	2,100
Totals	2,249,744	2,493,876	2,276,451	2,738,777	3,534,314	3,828,649

TABLE SHOWING THE COAL PRODUCTION BY COUNTIES, FROM 1888 TO 1897, INCLUSIVE.

(Tons of 2,240 lbs.)

COUNTIES.	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897
Barbour.....	17,108	19,203	32,857	33,999	35,046	29,375	7,736	50,013	49,623	31,658
Brooke.....	1,522,410	989,276	1,302,355	1,737,617	1,564,579	2,350,250	32,445	2,162,000	3,263,547	42,198
Fayette.....							1,195,102			2,993,061
Hancock.....										33,838
Harrison.....	113,030	111,440	128,964	113,268	142,960	248,089	275,297	214,442	155,772	221,249
Kanawha.....	982,310	976,396	1,021,386	1,209,386	1,175,371	1,210,749	1,143,626	1,078,253	1,088,737	1,042,745
Logan.....							52,673	40,610		
Marion.....	253,675	245,899	401,900	722,594	903,896	958,296	1,185,542	1,198,336	1,219,017	1,398,682
Marshall.....	59,172	84,606	110,418	118,242	166,893	110,510	84,637	137,762	148,128	162,396
Mason.....	85,870	129,797	129,744	116,598	123,324	141,101	92,764	171,074	101,418	111,535
McDowell.....		245,760	504,222	704,871	1,100,882	1,876,838	2,340,581	2,440,551	2,836,033	2,617,917
Mercer.....	762,645	744,803	744,403	1,210,723	1,175,141	1,196,574	886,942	865,379	1,308,417	873,300
Mineral.....	468,618	483,365	512,217	623,067	473,862	557,488	489,108	614,780	554,492	537,109
Mingo.....								95,279	111,100	267,789
Monongalia.....		6,850	28,000	46,100	70,062	97,905	62,125	47,653	52,010	81,218
Ohio.....	187,678	159,684	92,487	80,738	82,534	48,981	49,821	88,691	122,106	95,578
Preston.....	147,290	134,925	159,320	134,467	82,089	105,618	39,926	52,385	116,361	120,211
Putnam.....	135,100	107,325	183,184	156,856	154,962	197,733	148,474	122,057	161,555	181,522
Raleigh.....							48,365	84,762	89,279	63,701
Randolph.....						137				
Taylor.....	66,439	177,901	68,403	83,851	74,010	68,928	72,229	86,536	43,469	178,897
Tucker.....	48,256	76,647	219,087	189,060	369,320	539,950	418,105	316,845	523,624	647,666
Wayne.....					55,920	21,839	40,720	21,101	2,000	
Small Mines.....									125,000	133,929
Totals.....	4,799,611	4,663,857	5,643,946	7,281,427	7,777,570	9,758,991	9,427,028	9,878,099	12,062,468	11,705,829

TABLE SHOWING THE COAL PRODUCTION BY COUNTIES, FROM 1898 TO 1907, INCLUSIVE.

(Tons of 2,240 lbs.)

COUNTIES.	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Barbour.....	48,600	68,275	78,041	228,047	394,768	525,924	690,897	556,156	638,253	776,245
Brooke.....	56,793	63,176	61,896	65,904	55,857	24,296	87,804	183,808	378,312	526,997
Braxton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55,774
Clay.....	.....	.....	.....	.....	.....	.....	2,890	60,455	66,067	80,232
Fayette.....	3,960,266	4,446,469	4,547,002	5,875,702	5,724,882	4,075,324	5,650,217	6,738,343	7,625,839	7,277,297
Grant.....	.....	.....	.....	.....	.....	28,489	113,969	167,063	228,837	271,542
Gilmer.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,312
Greenbrier.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,978
Hancock.....	42,870	39,440	47,018	80,867	38,686	70,496	69,700	58,029	53,557	78,280
Harrison.....	271,554	413,150	647,430	1,088,716	1,662,144	2,108,336	2,445,202	2,590,906	3,080,737	3,843,819
Kanawha.....	1,213,116	1,298,068	1,456,890	1,727,115	1,863,886	1,878,752	2,792,078	3,126,638	4,086,102	4,628,101
Lincoln.....	.....	.....	.....	.....	12,053	53,830	31,744	7,696	15,801	17,589
Lewis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5,523
Logan.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	740,607
Marion.....	1,639,625	2,362,983	2,925,907	2,674,553	3,172,194	2,668,914	2,785,350	3,251,999	3,629,805	3,619,784
Marshall.....	165,874	233,800	242,176	199,683	201,179	279,276	345,273	380,686	411,061	560,427
Mason.....	109,204	106,867	85,367	98,427	113,527	102,232	89,009	77,846	108,420	93,211
McDowell.....	3,183,529	3,516,668	4,142,102	4,219,251	4,734,199	5,249,913	5,524,376	6,810,730	7,806,524	8,123,699
Mercer.....	1,004,879	1,144,258	1,046,987	1,052,153	1,104,523	1,274,003	1,274,070	1,748,830	2,023,490	2,009,522
Mineral.....	510,757	554,296	562,667	513,772	552,181	514,532	467,618	506,171	540,147	607,172
Mingo.....	383,230	350,294	466,695	501,410	635,113	864,464	1,153,013	1,375,233	1,719,233	1,867,100
Monongalia.....	68,867	56,793	82,148	75,599	130,871	148,074	194,540	178,752	196,074	292,596
Nicholas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57,412
Ohio.....	96,912	119,860	96,610	115,880	12,199	7,645	25,723	51,524	50,921	57,412
Preston.....	169,044	277,173	408,610	434,713	448,852	129,888	101,207	91,752	101,768	186,850
Putnam.....	123,851	164,004	203,449	125,321	449,523	574,741	639,189	651,122	827,772	1,079,892
Raleigh.....	79,315	93,870	68,390	102,089	208,712	178,904	295,914	310,576	465,341	401,413
Randolph.....	.....	31,975	108,207	167,883	272,106	244,088	406,223	661,180	823,606	1,104,676
Taylor.....	190,532	249,108	376,030	383,223	265,687	388,487	356,531	416,834	599,443	609,880
Tucker.....	831,497	490,038	1,066,874	988,304	415,502	264,524	234,502	252,161	398,568	416,138
Upshur.....	.....	.....	.....	.....	1,011,435	1,078,997	1,067,756	961,296	1,057,800	1,005,219
Wayne.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29,502
Small mines.....	140,000	150,000	150,000	175,000	180,000	180,000	170,000	180,000	180,000	25,217
Totals.....	14,294,865	16,250,150	18,886,911	20,230,991	23,359,063	22,913,698	26,984,715	31,508,029	37,408,474	40,040,311

ORDER IN THE PRODUCTION OF COAL, 1897—1907.

COUNTIES.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
Fayette	1	1	1	1	1	1	2	1	2	2	2
McDowell.....	2	2	2	2	2	2	1	2	1	1	1
Marion	3	3	3	3	3	3	3	4	3	4	4
Kanawha	4	4	4	4	4	4	5	3	4	3	3
Mercer	5	5	5	6	6	6	6	6	6	6	6
Harrison.....	9	9	8	7	6	5	4	5	5	5	5
Tucker	6	6	7	5	7	7	7	8	8	8	10
Mingo	8	8	9	9	9	8	8	7	7	7	7
Mineral	7	7	6	8	8	9	11	11	12	13	14
Preston	13	11	10	10	10	10	9	10	10	9	9
Taylor.....	10	10	11	11	11	11	14	16	16	16	17
Marshall.....	11	12	12	12	13	16	13	14	14	15	15
Randolph.....	.....	.....	.....	14	14	14	12	13	13	12	13
Barbour.....	19	19	17	18	12	12	10	9	11	11	11
Raleigh	16	16	16	19	17	13	15	12	9	10	8
Putnam	12	13	13	13	15	15	16	15	15	14	13
Ohio	15	15	14	15	16	17	18	19	21	23	21
Brooke	17	18	18	20	20	20	23	22	17	17	16
Mason	14	14	15	16	18	19	19	20	22	21	22
Grant.....	.....	.....	.....	.....	.....	.....	22	18	19	19	20
Logan .....	.....	.....	.....	.....	.....	.....	.....	.....	20	18	12
Monongalia.....	20	17	19	17	19	18	17	17	18	20	19
Hancock.....	18	20	20	21	21	21	20	21	24	24	23
Clay .....	.....	.....	.....	.....	.....	.....	.....	25	23	23	24
Nicholas .....	.....	.....	.....	.....	.....	22	24	24	25	25	25
Lincoln .....	.....	.....	.....	.....	.....	23	21	23	27	26	30
Braxton.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26
Wayne .....	.....	.....	.....	.....	.....	.....	.....	.....	26	27	29
Upshur.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	27
Greenbrier...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
Lewis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
Gilmer .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32

TABLE SHOWING THE COMPARATIVE STATEMENT OF THE COAL PRODUCTION FOR 1906 AND 1907.

(Tons of 2,240 lbs.)

COUNTY.	1907	1906	Increase of 1907 over 1906	Decrease of 1907 under 1906
Brooke	523,997	373,312	148,685	.....
Hancock.....	78,230	53,557	24,723	.....
Marion	3,619,764	3,629,805	.....	10,041
Monongalia	232,593	196,074	36,522	.....
Marshall.....	560,427	411,061	149,366	.....
Ohio	133,350	101,763	31,582	.....
Barbour.....	776,245	633,253	137,992	.....
Gilmer	312	.....	312	.....
Harrison	3,343,319	3,030,737	312,582	.....
Lewis.....	5,523	.....	5,523	.....
Taylor.....	416,133	393,563	22,570	.....
Upshur.....	39,502	5,309	33,693	.....
Grant	271,542	223,337	42,705	.....
Mineral	607,172	540,147	67,025	.....
Preston	1,079,692	827,772	251,920	.....
Randolph.....	609,330	569,443	39,887	.....
Tucker	1,005,219	1,057,300	.....	52,081
Braxton.....	55,774	.....	55,774	.....
Clay	60,252	66,037	.....	5,785
Fayette	7,277,297	7,625,339	.....	348,042
Kanawha	4,623,101	4,033,102	590,000	.....
Mason	93,211	103,420	.....	10,209
Nicholas	57,412	50,921	6,491	.....
Putnam	401,413	455,341	.....	53,928
Greenbrier.....	31,973	.....	31,973	.....
Raleigh	1,104,676	823,666	281,010	.....
Lincoln	17,539	15,301	2,238	.....
Logan	740,607	349,223	391,384	.....
Mingo	1,357,100	1,719,233	.....	362,133
Wayne	25,217	14,914	10,303	.....
McDowell.....	3,123,699	7,303,524	.....	4,179,825
Mercer.....	2,009,522	2,023,460	.....	13,938
Totals	39,360,311	37,223,474	2,136,837	516,074
Small Mines.....	130,000	130,000	.....	.....
Grand Totals.....	40,040,311	37,403,474	2,636,837	516,074

ORDER IN THE PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	No. of Mines Producing Coal.	Production of Coal (Tons of 2,000 lbs.)			Total for the Year.	Order in Production.	
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for Year		Coal.	Coke.
Brooke	6	253,765	273,232	526,997		16	..
Hancock	3	40,870	37,410	78,280		23	..
Marion	23	1,785,519	1,834,245	3,619,764	233,700	4	6
Monongalia	6	131,953	190,643	322,596	113,031	19	6
Marshall	6	273,930	288,467	562,397		15	..
Ohio	9	55,330	81,020	136,350		21	..
Barbour	17	365,366	410,879	776,245	34,080	11	9
Gilmer	42	1,673,953	1,669,354	3,343,307	23,390	32	10
Harrison	1	212,536	203,602	416,138		31	..
Lewis	9	15,280	24,222	39,502	1,747	17	13
Taylor	4	130,479	141,053	271,532	2,100	27	12
Upshur	2	231,853	315,269	547,122		14	..
Mineral	13	507,171	572,521	1,079,692	222,846	9	7
Preston	19	292,069	317,291	609,360	244,054	13	6
Randolph	6	463,033	512,185	975,218	262,651	10	4
Tucker	11	19,147	36,627	55,774		26	..
Braxton	2	23,874	33,438	57,312		24	..
Clay	4	3,506,390	3,770,907	7,277,297	615,577	2	11
Fayette	132	2,215,575	2,410,526	4,626,101	18,287	3	..
Kanawha	180	47,729	45,482	93,211		22	..
Mason	8	25,755	31,657	57,412		25	..
Nicholas	8	196,020	208,363	404,383		18	..
Putnam	10	15,849	16,129	31,978		28	..
Greenbrier	1	481,636	923,040	1,404,676		30	..
Raleigh	27	8,036	9,553	17,589		8	..
Lancolin	17	309,815	430,802	740,617		30	..
Logan	42	917,277	949,823	1,867,100		12	..
Mingo	1	8,294	15,821	24,115		7	..
Wayne	87	3,920,254	4,293,445	8,213,699	969,796	29	1
McDowell	24	975,382	1,034,140	2,009,522	168,390	1	3
Mercer	..	..	..	..	..	..	..
Totals	674	19,197,639	20,632,672	39,830,311	3,823,549	..	..
Small mines	..	90,000	90,000	180,000	..	..	..
Grand Totals	674	19,287,639	20,722,672	40,010,311	3,823,549	..	..

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

1907]

DEPARTMENT OF MINES.

3

COUNTY.	Coal Production (Tons of 2,240 lbs.)		Total Coal Produced for Year.	Distribution of Coal (Tons of 2,240 lbs.)		Furnish'd Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped From Mine.	Production of Coke (Tons of 2,000 lbs.)		Acres of Coal Worked Out.
	1st 6 Mos.	2nd 6 Mos.		1st 6 Mos.	2nd 6 Mos.				Total for the Year.		
Brooke	253,765	273,232	526,997	5,439	14,446	.....	.....	507,112	.....	.....	89.84
Hancock.....	40,870	37,410	78,280	1,018	9,294	.....	.....	67,968	.....	.....	17.86
Marion	1,785,519	1,834,245	3,619,764	54,831	16,975	338,495	3,209,438	3,209,438	123,543	233,700	521.76
Monongalia.....	131,953	160,643	292,596	7,569	1,888	165,506	117,653	117,653	61,928	113,031	45.65
Marshall	273,960	286,467	560,427	6,364	16,509	.....	537,554	537,554	.....	.....	87.01
Ohio	55,330	81,020	136,350	1,042	31,811	.....	103,447	103,447	.....	.....	22.50
Barbour	365,366	410,879	776,245	14,261	3,462	46,115	712,407	712,407	23,643	34,030	112.61
Gilmer	1,673,963	312	312	.....	.....	.....	312	312	.....	.....	.04
Harrison.....	357	1,669,356	3,343,319	31,739	11,278	34,039	3,266,213	3,266,213	15,385	22,390	397.38
Lewis	212,536	5,171	5,528	.....	.....	.....	5,528	5,528	.....	.....	1.00
Taylor	15,280	203,602	416,138	2,545	1,251	2,522	409,820	409,820	1,747	1,747	45.14
Upshur.....	130,479	24,222	39,502	1,566	831	3,360	33,745	33,745	2,100	2,100	7.77
Grant.....	291,883	141,063	271,642	11,282	710	.....	259,550	259,550	.....	.....	43.04
Mineral	507,171	315,289	607,172	1,359	4,033	.....	601,780	601,780	.....	.....	84.54
Preston	292,089	572,521	1,079,692	28,956	8,700	331,717	710,319	710,319	120,213	222,246	205.65
Randolph	493,053	317,201	609,380	6,965	2,272	320,362	279,731	279,731	128,254	244,054	67.44
Tucker	19,147	512,166	1,005,219	23,654	6,400	394,429	580,736	580,736	131,471	202,951	152.82
Braxton	28,814	36,627	55,774	613	458	.....	54,703	54,703	.....	.....	.86
Clay	3,500,390	33,438	60,252	919	1,736	.....	57,577	57,577	.....	.....	11.81
Fayette	2,215,575	3,770,967	7,277,267	123,463	73,547	922,501	6,155,786	6,155,786	342,596	615,577	983.57
Kanawha	47,729	45,482	93,211	56,256	52,816	28,964	4,490,065	4,490,065	10,472	18,287	785.74
Mason	25,755	31,657	57,412	1,366	22,480	.....	69,965	69,965	.....	.....	17.34
Nicholas	196,020	205,363	401,413	1,814	1,832	.....	53,766	53,766	.....	.....	11.19
Putnam	15,849	16,129	31,978	4,991	5,693	.....	390,729	390,729	.....	.....	58.25
Greenbrier.....	481,636	623,040	1,104,676	373	.....	.....	31,605	31,605	.....	.....	6.66
Raleigh	8,036	9,553	17,589	20,506	16,337	.....	1,067,773	1,067,773	.....	.....	209.42
Lincoln.....	309,805	430,802	740,607	356	223	.....	17,010	17,010	.....	.....	3.80
Logan	917,277	949,823	1,867,100	4,632	2,296	.....	733,679	733,679	.....	.....	84.62
Mingo	8,396	16,821	25,217	26,517	22,907	.....	1,817,776	1,817,776	.....	.....	263.39
Wayne	3,921,254	4,203,445	8,123,699	.....	536	.....	24,681	24,681	.....	.....	6.00
McDowell	975,382	1,034,140	2,009,522	127,990	70,066	2,500,148	5,425,495	5,425,495	939,796	1,744,819	1,112.10
Mercer	19,197,639	20,662,672	39,860,311	21,362	15,623	475,348	146,727	146,727	166,390	313,117	208.42
Totals	90,000	90,000	180,000	597,828	418,390	5,561,506	33,282,587	33,282,587	2,097,538	3,828,649	5,779.72
Small mines.....	19,287,639	20,752,672	40,040,311	597,828	418,390	5,561,506	33,412,587	33,412,587	2,097,538	3,828,649	5,779.72
1907 Grand Totals.....	17,467,918	19,955,556	37,403,474	527,706	463,398	5,089,629	31,322,741	31,322,741	1,829,966	3,534,314	5,516.54
1906 Grand Totals	*1,819,721	*817,116	*2,636,837	*70,122	*45,008	*471,877	*2,139,846	*2,139,846	*267,572	*294,335	*263.18
Changes											

*Increase of 1907 over 1906.

†Decrease of 1907 under 1906.

Killarm O. & O. Co.....	18,788	15,812	84,565	1,050	250	.....	.....	.....	.....	.....	.....	.....
Parker Run O. & O. Co.....	9,080	7,458	9,538	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	1,785,519	1,884,245	8,619,764	54,881	16,975	338,495	3,209,468	110,157	123,543	238,700	.....	.....
<i>Monongalia County.</i>												
Opeklaka O. & O. Co.....	16,970	12,605	29,575	.....	365	10,470	18,740	3,460	8,162	6,623	.....	.....
Fairmont Coal Co.....	26,382	37,004	73,886	360	140	17,826	55,060	2,591	9,888	11,979	.....	.....
Elkins O. & O. Co.....	48,971	50,011	98,982	5,624	298	89,721	3,839	28,944	30,916	59,890	.....	.....
.....	4,251	32,471	36,722	.....	.....	.....	36,722	.....	.....	.....	.....	.....
Connellsville Basin Coke Co.	22,879	26,195	49,074	1,585	.....	47,489	.....	16,108	18,462	34,570	.....	.....
The Great Scott O. & O. Co..	2,500	2,357	4,857	.....	1,085	.....	8,772	.....	.....	.....	.....	.....
Totals.....	131,953	160,643	292,596	7,569	1,888	165,506	117,688	51,108	61,923	113,081	.....	.....
<i>Marshall County.</i>												
Hitchman O. & O. Co.....	165,211	151,634	316,845	2,144	3,756	.....	310,945	.....	.....	.....	.....	.....
Boggs Run M. & M'y Co...	14,896	23,068	37,968	446	5,745	.....	31,797	.....	.....	.....	.....	.....
Wheeling Steel & Iron Co...	36,991	51,042	88,633	.....	.....	.....	88,633	.....	.....	.....	.....	.....
Glendale Coal Co.....	24,013	33,319	62,332	1,786	1,907	.....	58,639	.....	.....	.....	.....	.....
Clearfield & Ohio R. O. Co..	19,311	17,844	37,155	1,631	4,091	.....	81,483	.....	.....	.....	.....	.....
The Glen Easton O. & O. Co.	13,539	3,935	17,474	357	1,010	.....	16,107	.....	.....	.....	.....	.....
Totals.....	273,900	286,467	560,427	6,364	16,509	.....	537,554	.....	.....	.....	.....	.....
<i>Ohio County.</i>												
Jochum & Co.....	1,071	1,071	2,142	.....	2,142	.....	.....	.....	.....	.....	.....	.....
Richland Coal Co.....	30,964	40,251	71,225	.....	.....	.....	71,225	.....	.....	.....	.....	.....
The Elm Grove Coal Co.....	1,521	9,941	11,462	781	513	.....	10,168	.....	.....	.....	.....	.....
Reymann Brewing Co.....	3,663	3,379	7,042	.....	* 7,042	.....	.....	.....	.....	.....	.....	.....
Wheeling Steam Coal Co...	8,302	8,738	17,040	.....	.....	.....	17,040	.....	.....	.....	.....	.....
La Belle Iron Works.....	1,560	3,652	5,212	196	.....	.....	5,014	.....	.....	.....	.....	.....
Whitaker-Glessner Co.....	4,999	10,237	15,236	.....	† 15,236	.....	.....	.....	.....	.....	.....	.....
J. S. Creighton.....	1,197	1,637	2,834	113	2,721	.....	.....	.....	.....	.....	.....	.....
Peter Storch & Sons.....	2,053	2,064	4,107	.....	4,107	.....	.....	.....	.....	.....	.....	.....
Totals.....	55,830	81,020	136,350	1,092	81,811	.....	108,447	.....	.....	.....	.....	.....
<i>Barbour County.</i>												
Davis Colliery Co.....	30,627	39,505	70,132	565	625	20,684	48,258	7,187	9,018	16,205	.....	.....
Philippi Collieries Co...	35,122	34,035	69,157	1,786	132	.....	67,289	.....	.....	.....	.....	.....
.....	4,235	10,535	14,820	.....	.....	14,820	.....	3,200	7,900	11,100	.....	.....
Tygarts River Coal Co.....	22,490	22,490	44,980	1,336	594	.....	43,060	.....	.....	.....	.....	.....
Southern Coal & Trans. Co..	180,850	181,999	202,849	4,600	820	.....	257,429	.....	.....	.....	.....	.....
Laurel Creek Coal Co.....	12,545	12,960	25,495	.....	.....	.....	25,495	.....	.....	.....	.....	.....
Century Coal Co. of W. Va..	87,661	102,812	190,473	2,400	692	.....	187,381	.....	.....	.....	.....	.....
.....	.....	1,232	1,232	14	.....	.....	1,218	.....	.....	.....	.....	.....

* Used in Brewery.
† Used in Mill.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Total coal Produced for Year.	Distribution of Coal (Tons of 2,240 lbs.)			Quantity Shipped from Mine.	Production of Coke (Tons of 2 000 lbs.)	
		1st 6 Mos.	2nd 6 Mos		Used in Opera tion of Mine.	Furnish ed Local Trade and Tenants.	Used in Coke Ovens.		1st 6 Mos.	2nd 6 Mos.	Total for the Year.
<i>Barbour County—Cont'd.</i>										
	Lillian...	11,984	14,108	26,177	238	..	..	25,879	..	..
	Adna...	6,481	5,772	11,053	64	..	..	11,867	..	..
	No. 3...	11,716	13,352	25,068	..	31	..	25,037	..	..
	No. 4...	1,959	1,369	3,328	468	48	..	2,792	..	..
	Harna...	8,388	8,314	11,701	290	62	790	10,459	525	525
	Midland	6,580	12,321	18,901	2,320	446	9,821	6,314	6,200	6,200
	Totals	505,366	410,819	776,245	14,261	8,462	48,116	712,407	23,943	34,020
<i>Gilmer County.</i>										
The Cosmopolitan O. & O. Co.	Gilmer No. 1	..	312	312	..	..	..	312	..	..
Totals		..	312	312	..	..	..	312	..	..
<i>Harrison County.</i>										
Clarksburg Fuel Co	Pinnickinnick	121,058	108,863	229,741	3,000	1,842	..	224,799	..	..
	Fall Run...	45,758	44,051	89,809	..	91	..	89,718	..	..
	Dixie...	12,705	11,108	23,808	..	113	..	23,695	..	..
	Two Lick...	59,350	58,896	113,046	1,567	300	..	111,178	..	..
	Interstate...	47,061	49,559	96,620	1,260	359	..	95,041	..	..
	O'Neil...	55,237	59,773	115,010	1,415	297	..	113,298	..	..
	Enterprise...	97,086	110,129	218,215	6,446	1,217	29,178	183,374	4,893	15,575
Fairmont Coal Co	Viropa...	46,423	49,787	96,220	..	205	..	96,015	..	..
	Ehlen...	32,246	38,425	70,671	..	3	..	70,668	..	..
	Solon...	54,782	53,149	117,881	605	552	..	118,724	..	..
	Gypsy...	64,667	64,000	128,667	3,575	928	..	124,123	..	..
	Mendowbrook	48,958	46,164	97,117	605	627	..	96,784	..	..
	Globe...	28,046	27,038	55,189	..	251	..	54,888	..	..
	Dunham...	38,447	42,800	82,247	1,171	647	..	80,429	..	..
	Lynch...	15,858	11,776	27,634	..	36	..	27,598	..	..
	West Fork	6,014	1,065	9,07	..	9	..	9,068	..	..
	Reynoldsville	16,383	14,382	30,765	326	122	..	30,247	..	..
	Columbia	73,792	77,902	151,744	1,832	354	..	149,638	..	..
	Ocean...	68,183	62,471	125,654	1,811	276	..	124,067	..	..
	Riverdale	28,064	27,017	55,101	1,065	174	..	53,832	..	..
	Perry...	71,563	63,917	155,470	..	..	..	155,470	..	..
	Coaling Station.	30,968	34,297	65,265	..	..	..	65,265	..	..
Pitts. & Fairmont Fuel Co										

Pitts. & Fairmont Fuel Co.	Pooz.....	58,303	61,002	110,204	1,500	112	.....	108,502	.....	.....	.....
Lucas.....	Lucas.....	42,982	41,052	84,034	.....	.....	.....	84,034	.....	.....	.....
Fairmont & Balto. C. & O. Co.	Fairmore.....	29,014	48,647	77,661	.....	.....	.....	77,661	.....	.....	.....
Cook C. & O. Co.	Girard No. 1.....	43,500	48,500	87,000	1,000	300	.....	86,700	.....	.....	.....
Meadow Brook C. & O. Co.	Erle.....	33,549	32,815	66,364	1,800	932	.....	68,612	.....	.....	.....
Madeira-Hill-Clark C. Co.	Waldo.....	59,108	47,588	106,696	.....	515	.....	106,181	.....	.....	.....
" " " "	Goff.....	7,719	8,639	16,358	.....	.....	.....	16,358	.....	.....	.....
" " " "	New Chieftain & Randolph.....	32,306	31,041	63,437	.....	207	.....	63,230	.....	.....	.....
Cook & Hart Coal Co.	Cook.....	11,435	7,848	19,283	.....	.....	.....	19,283	.....	.....	.....
Rose-Bud Coal Co.	Rosebud.....	8,152	10,915	19,067	.....	.....	.....	19,067	.....	.....	.....
Hutchinson Fuel & Sup. Co.	Hutchinson.....	37,910	34,539	72,449	.....	.....	10,861	61,588	2,112	4,703	6,815
Summit C. & O. Co.	Phoenix.....	16,910	15,885	32,795	.....	.....	.....	32,795	.....	.....	.....
O'Gara Coal Mining Co.	O'Gara.....	42,738	38,942	81,680	.....	.....	.....	81,635	.....	.....	.....
Marshall Coal Co.	Marshall.....	45,621	32,319	77,940	1,008	365	.....	76,567	.....	.....	.....
Pitcairn Coal Co.	Pitcairn.....	55,179	48,464	103,643	1,412	197	.....	102,034	.....	.....	.....
Corona C. & O. Co.	Harold.....	11,851	11,142	22,993	120	277	.....	22,596	.....	.....	.....
Short Line Coal Co.	Girard No. 2.....	36,000	36,000	72,000	300	200	.....	71,500	.....	.....	.....
National Coal Co.	National.....	9,000	11,000	20,000	.....	.....	.....	20,000	.....	.....	.....
Central Fairmont Coal Co.	Moore.....	3,018	16,812	19,830	20	252	.....	19,558	.....	.....	.....
Totals.....	.....	1,673,963	1,669,356	3,343,319	81,739	11,278	84,039	3,266,233	7,005	15,385	22,880
Lewis County.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jacksonville C. & O. Co.	Sarah B.....	357	5,171	5,528	.....	.....	.....	5,528	.....	.....	.....
Totals.....	.....	357	5,171	5,528	.....	.....	.....	5,528	.....	.....	.....
Taylor County.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grafton C. & O. Co.	Sand Lick.....	35,301	28,808	64,109	.....	270	.....	63,839	.....	.....	.....
Pittsvein Coal Co.	Flemington.....	41,594	40,474	82,068	1,281	378	.....	80,409	.....	.....	.....
L. B. Brydon.....	Brydon.....	8,246	7,694	15,940	.....	.....	.....	15,940	.....	.....	.....
Davis C. M. Co.	T. B. Davis.....	18,600	15,570	34,170	.....	.....	.....	34,170	.....	.....	.....
Davis C. & O. Co.	No. 41.....	41,578	45,726	87,304	276	356	.....	86,672	.....	.....	.....
Rosemont Coal Co.	Rosemont.....	52,833	44,095	96,928	.....	247	.....	96,681	.....	.....	.....
Maryland Coal Co.	Wendel.....	14,384	18,713	33,097	988	.....	.....	32,109	.....	1,747	1,747
Winona C. & O. Co.	Nos. 1 & 2.....	.....	2,522	2,522	.....	.....	2,522	.....	.....	1,747	1,747
Totals.....	.....	212,536	203,602	416,138	2,545	1,251	2,522	409,820	.....	1,747	1,747
Upshur County.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pennsylvania Con. Coal Co.	Penco.....	5,907	1,621	7,528	205	.....	.....	7,323	.....	.....	.....
Red Rock Fuel Co.	Nos. 1 & 2.....	9,373	17,441	26,814	1,311	431	.....	25,072	.....	.....	.....
Buckhannon River C. Co.	Florence.....	.....	5,160	5,160	50	400	3,360	1,350	.....	2,100	2,100
Totals.....	.....	15,280	24,222	39,502	1,566	831	3,360	33,745	.....	2,100	2,100
Grant County.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Davis C. & O. Co.	No. 22.....	95,476	96,769	192,245	10,382	710	.....	181,153	.....	.....	.....
Buffalo Cr. Cumberland C. Co.	Buffalo Creek.....	85,003	44,294	79,297	500	.....	.....	78,397	.....	.....	.....
Totals.....	.....	180,497	141,063	271,542	11,282	710	.....	259,550	.....	.....	.....

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Total Coal Produced for year.	Production of Coke (Tons of 2,000 lbs.)			
		1st 6 Mos.	2nd 6 Mos.		1st 6 Mos.	2nd 6 Mos.	Total for the year.	
Mineral County.								
Devis O. & O. Co.	No. 14.	3,019	19,596	16,614				
"	No. 20.	30,647	27,100	57,747				
"	No. 9.	39,199	30,979	160,178				
"	No. 6.	23,630	23,335	47,205				
"	No. 19.	11,621	14,300	26,421				
"	No. 50.		7,221	7,221				
"	No. 51.	17,177	8,970	26,547				
Smith Coal Co.	Smith.	22,151	29,367	48,968				
Piedmont & Potomac C. Co.	Virginia	12,431	10,029	32,510				
The Big Vein Coal Co. of W. Va.	Big Vein.	19,699	15,368	35,067				
Taylor Coal Co.	Taylor	4,800	4,000	8,800				
Masteller Coal Co.	Hampshire	16,840	15,610	32,300				
"	New Creek.	2,706	13,536	16,244				
Abrams Creek Coal Co.	Oakmont.	14,035	19,124	33,509				
Gleason O. & O. Co.	Gleason	20,000	20,000	40,000				
Glade Run O. & O. Co.	Starb.	8,748	5,313	9,101				
Totals		291,863	315,269	607,172	1,359	4,033	601,780	
Preston County.								
Austen O. & O. Co.	Austen No. 1.	43,496	46,532	92,078	450	907	9,268	98,861
"	" 2.	38,514	44,253	82,767	1,922	107	40,292	
Hamilton O. & O. Co.	Newburg Shaft.	21,217	22,956	44,173	1,900	200	42,173	
Gorman O. & O. Co.	No. 1.	5,363	9,450	14,813		153	14,658	
"	No. 2.	13,956	13,159	27,117		100	6,626	13,453
"	No. 4.	3,754	2,782	6,536			6,536	
Irma Coal Co.	Irma Nos. 1 & 2.	60,206	58,473	108,708	1,779	4,644	100,345	
Merchants Coal Co.	Merchants No. 2.	101,554	118,169	214,723	3,500	900	210,203	
Oakland O. & O. Co.	Oorinth	21,500	21,437	43,027	8,323	222	27,237	7,343
Kingwood Coal Co.	Howesville	25,606	34,390	60,076	960	196	58,900	
Elite O. & O. Co.	Dixie	11,701	12,413	24,114	260	143	23,591	
Orr O. & O. Co.	Vulcan.	27,432	37,103	64,550	571	367	16,514	
The Manufacturers O. & O. Co.	Victoria No. 2.	19,360	7,964	27,344	2,397		24,947	
Pennsylvania Con. O. Co.	Shrader	17,171	12,685	29,856	2,394	120	15,726	30,985

Used in ovens at No. 1 Mine.

Atlantic O. & O. Co.	Atlantic	26,827	22,498	69,820	2,774	823	130,299	56,223	37,768	44,498	82,261
Elkins O. & O. Co.	Bretz	62,837	76,289	138,576	6,818	742	.....	1,217	.....	.....	.....
Preston County Coke Co.	Kingwood	14,857	27,898	42,755	849	55	.....	41,851	.....	.....	.....
	No. 1	.....	1,000	1,000	1,000	.....	.....	.....	.....	.....	.....
Totals	.....	507,171	572,521	1,079,692	28,956	8,700	331,717	710,819	102,633	120,213	222,846
Randolph County.											
Davis Colliery Co.	No. 1	104,285	127,906	232,191	2,560	994	117,925	110,712	44,878	47,542	93,420
	No. 3	62,832	73,428	136,260	2,163	520	43,322	90,250	17,289	17,661	34,950
Davis O. & O. Co.	No. 1	70,849	64,920	135,769	1,719	517	104,583	23,945	36,239	40,453	76,697
	No. 2	39,231	39,181	78,332	243	159	54,527	23,423	17,394	22,593	39,987
	No. 5	2,892	3,906	6,798	300	82	.....	6,416	.....	.....	.....
W. H. Green	Klondyke	12,000	8,000	20,000	.....	.....	.....	20,000	.....	.....	.....
Totals	.....	292,089	317,291	609,380	6,936	2,272	330,362	279,751	115,800	128,254	244,054
Tucker County.											
Davis O. & O. Co.	No. 23	113,743	134,096	247,839	11,778	3,135	247,076	185,850	14,771	16,613	31,384
	No. 25	70,092	62,406	132,500	5,204	.....	.....	127,293	.....	.....	.....
	No. 26	21,728	20,098	41,821	.....	1,433	.....	40,333	.....	.....	.....
	No. 34	59,181	65,216	123,397	.....	.....	33,403	39,991	10,449	11,321	22,270
	No. 35	27,160	22,384	49,544	5,617	.....	41,618	2,309	15,147	12,598	27,745
	No. 36	52,141	59,253	111,394	.....	.....	81,181	80,213	22,786	31,334	54,120
	No. 37	64,262	52,711	116,973	.....	.....	114,964	2,009	41,713	34,930	76,643
Cumberland Coal Co.	No. 3 & 4	47,301	47,156	94,457	430	270	76,184	17,573	26,614	24,175	50,789
	No. 5	23,651	23,578	47,229	270	135	.....	46,824	.....	.....	.....
Beacon O. & O. Co.	Beacon	14,794	25,271	40,065	355	1,427	.....	38,233	.....	.....	.....
Totals	.....	493,053	512,166	1,005,219	23,654	6,400	394,429	530,736	131,430	131,471	262,951
Braxton County.											
Davis Colliery Co.	No. 10	10,296	17,258	27,554	337	316	.....	26,851	.....	.....	.....
	No. 11	8,851	19,309	28,220	226	142	.....	27,452	.....	.....	.....
Totals	.....	19,147	36,567	55,774	613	458	.....	54,703	.....	.....	.....
Clay County.											
Dorfee Coal Mining Co.	Elk Manor	14,679	16,340	31,019	714	1,199	.....	29,108	.....	.....	.....
Oarter Coal Co.	Oarter	6,509	8,170	14,679	.....	111	.....	14,568	.....	.....	.....
Kentucky Coal & Lumber Co.	Gauley Consolidated	4,236	5,357	9,643	206	446	.....	8,922	.....	.....	.....
Elk River Coal & Lumber Co.	Dundon No. 1	1,340	3,571	4,911	.....	.....	.....	4,911	.....	.....	.....
Totals	.....	26,814	33,438	60,252	919	1,756	.....	57,577	.....	.....	.....
Fayette County.											
Sunday Creek Co.	No. 111	50,000	52,717	103,317	2,576	1,570	10,949	33,222	.....	6,677	6,677
	No. 112	.....	14,530	14,530	259	69	.....	14,202	.....	.....	.....
	Nos. 114 & 114x	76,162	88,419	164,581	6,353	1,518	72,863	33,847	24,163	27,936	52,099

*Used in Ovens at No. 34 Mine.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Distribution of Coal (Tons of 2,240 lbs.)			Production of Coke (Tons of 2,000 lbs.)	
		1st 6 Mos.	2nd 6 Mos.	Total Coal Produced for year.	Used in operation of mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.
<i>Fayette County—Cont'd.</i>								
Sunday Creek Co.	No. 115.....	92,376	101,678	194,054	1,289	1,388	99,402	91,995
	No. 117.....	7,188	.....	7,188	263	53	.....	6,872
The Columbus I. & Steel Co.	No. 1.....	58,448	67,483	125,931	2,174	1,654	42,998	79,105
Kanawha Gas Co.	Kanawha Gas.....	32,848	38,438	71,286	.....	625	.....	70,661
W. R. Johnson & Co.	Oakland.....	42,982	38,348	81,330	915	875	.....	79,540
Boomer O. & O. Co.	No. 1.....	32,823	32,830	65,658	.....	.....	.....	65,658
"	No. 2 North Side.....	90,962	90,962	181,924	2,200	108	.....	179,607
"	No. 2 South Side.....	90,962	90,962	181,924	2,200	108	.....	179,607
"	No. 3.....	80,809	80,809	161,618	32	2,207	.....	159,379
The Gauley Mountain O. Co.	Nova Scotia.....	81,080	87,943	169,023	4,343	.....	58,952	105,728
Oroft & Evans	Pine Top.....	3,229	7,157	10,386	.....	500	.....	10,386
Moseley & Walker	Olifftop No. 1.....	4,505	12,902	17,407	360	.....	.....	16,557
"	" 2.....	1,183	1,544	2,727	.....	.....	.....	2,727
"	" 3.....	.....	2,979	2,979	50	.....	.....	2,929
Gaymont Colliery Co.	Gaymont.....	4,494	4,957	9,451	360	120	.....	8,971
Beury-New River O. Co.	Elmo.....	7,928	14,849	22,777	1,800	300	.....	20,677
Sunbury O. & O. Co.	Sunnyside.....	.....	2,540	2,540	.....	40	.....	2,500
Big Bend Coal Co.	Big Bend.....	5,915	6,400	12,315	400	440	.....	11,475
Michigan Coal Co.	Michigan.....	10,268	16,703	26,971	220	240	.....	26,511
The Fayette O. & O. Co.	Fayette.....	10,000	14,000	24,000	.....	1,000	2,520	20,480
Morris & Consumers O. Co.	Newlyn.....	13,890	20,848	34,738	100	702	.....	33,936
Nuttallburg O. & O. Co.	Nuttallburg.....	16,828	20,577	37,405	225	350	.....	36,830
"	Keeneys Creek.....	10,733	12,960	23,693	.....	800	.....	23,393
Ballinger Coal Co.	Ballinger No. 1.....	27,729	28,809	56,538	235	764	.....	55,539
"	" 2.....	603	631	1,234	6	.....	.....	1,228
Blume O. & O. Co.	Blume.....	75,000	37,000	112,000	540	1,080	.....	110,380
Keeneys Creek Colliery Co.	Smokeless.....	21,930	36,655	58,585	.....	.....	.....	58,585
"	Boone.....	13,982	14,409	28,401	200	1,000	.....	27,201
Rothwell Coal Co.	Dubree.....	18,237	18,530	31,767	300	250	.....	31,217
Penn. & New River O. Co.	Kohinoor.....	7,427	9,986	17,423	780	300	.....	16,343
Fire Creek O. & O. Co.	Fire Creek.....	11,506	10,986	22,492	800	1,040	13,129	7,563
Beury Brothers O. & O. Co.	Echo.....	30,268	29,842	60,110	360	600	.....	59,150
Gamoca Coal Co.	G. No. 2 & S. No. 5.....	33,709	40,627	74,336	.....	892	.....	73,444
Deltz Colliery Co.	Deltz No. 2.....	16,071	16,964	33,035	72	.....	.....	32,963
"	" 5.....	23,214	22,321	45,535	90	624	.....	44,821
Lynchburg Colliery Co.	Lynchburg No. 2.....	31,250	31,250	62,500	178	536	.....	61,786
Paint Creek Collieries Co.	Hickory Camp.....	17,404	23,886	40,790	178	171	.....	40,441

Eureka Colliery Co.	Eureka Gas No. 13.	20,816	43,334	1,000	812	26,197	43,334	8,004	9,017	.....
St. Clair Colliery Co.	Splint No. 14.	14,228	32,841	6.5	266	.....	31,029	.....	.....	17,021
Mecca O. & O. Co.	Eagle No. 1.	20,540	46,824	.....	.....	.....	19,596	.....	.....	.....
.....	Mecca No. 2.	20,131	38,307	.....	200	.....	38,307	.....	.....	.....
.....	.....	15,206	32,534	.....	.....	.....	32,274	.....	.....	.....
The Carver Brothers Co.	Nos. 2 & 3.	27,020	44,273	.....	20	80,549	44,273	6,426	13,622	20,048
.....	No. 1 & Eagle.	15,715	38,429	1,759	.....	.....	6,101	.....	.....	.....
.....	No. 5.	7,129	18,813	.....	.....	.....	13,813	.....	.....	.....
.....	Diamond.	15,385	44,318	804	.....	.....	43,504	.....	.....	.....
W. R. Johnson.	Eagle No. 1.	5,108	13,882	222	.....	8,888	4,772	583	5,444	6,027
.....	No. 2 Gas.	5,194	5,723	.....	1,732	+ 1,113	4,610	.....	.....	.....
.....	No. 5 Splint.	21,400	38,177	714	.....	.....	25,731	25,445	25,091	50,556
The Mt. Carbon Co. L't'd.	Vulcan & South.	50,244	99,823	620	2,732	75,004	21,467	6,270	9,882	15,652
Great Kanawha Colliery Co.	Brewster.	17,989	34,730	1,246	540	82,944	.....	.....	.....	.....
.....	Edwards.	3,705	11,797	902	551	.....	10,839	.....	.....	.....
.....	Shinolas.	249	249	.....	.....	.....	.....	.....	.....	.....
Cardiff Coal Co.	Kimberly.	21,889	46,062	.....	.....	.....	46,062	.....	.....	.....
.....	Columbia.	13,978	32,554	.....	.....	.....	32,554	.....	.....	.....
.....	Elk Ridge Nos. 1 & 2.	23,875	62,439	.....	.....	.....	62,439	.....	.....	.....
Loup Creek Colliery Co.	Eagle & Ansted.	121,119	231,231	2,105	1,933	197,015	60,183	53,915	75,646	134,561
Marrs Branch Coal Co.	Marrs Branch.	6,200	10,000	120	164	.....	9,716	.....	.....	.....
Ft. Defiance O. & O. Co.	Ft. Defiance.	.....	1,420	.....	.....	.....	1,420	.....	.....	.....
South Slide Co.	South Slide.	34,362	17,416	3,400	175	.....	17,241	.....	2,874	2,874
The Goshen Iron Co.	Clverton.	52,300	64,474	3,840	500	4,905	55,669	.....	2,874	2,874
The Low Moor Iron Co. of Va.	Kay Moor No. 1.	18,045	102,800	3,120	1,100	53,600	39,760	21,302	18,075	39,877
.....	.....	20,625	31,810	850	1,500	.....	32,190	.....	.....	.....
Brown Coal Co.	Brown.	.....	39,547	.....	423	.....	33,774	.....	.....	.....
New River Valley Coal Co.	Bachman.	.....	1,510	75	.....	.....	1,435	.....	.....	.....
New River Collieries Co.	Junard No. 7.	10,488	20,256	.....	131	.....	20,125	.....	.....	.....
.....	Brooklyn No. 6.	16,791	33,491	999	430	17,373	14,639	5,824	5,753	11,532
.....	Red Ash No. 5.	43,008	78,576	600	410	.....	77,566	.....	.....	.....
.....	Tush Run No. 4.	45,831	84,154	3,314	1,345	17,947	61,543	6,155	5,809	11,964
.....	Run Nos. 1, 2 & 3.	121,524	203,130	5,447	2,033	.....	198,670	.....	.....	.....
The Thurmond Coal Co.	Thurmond No. 1.	22,403	49,129	800	650	.....	47,679	.....	.....	.....
.....	.....	14,481	31,451	.....	350	.....	31,101	.....	.....	.....
Stone Cliff O. & O. Co.	Stone Cliff.	25,133	57,949	1,440	480	6,579	49,450	1,885	2,330	4,215
Beechwood O. & O. Co.	No. 1.	20,368	13,462	400	893	5,145	47,024	815	2,645	3,460
.....	No. 2.	16,402	31,787	300	.....	.....	33,487	.....	.....	.....
Alaska O. & O. Co.	Alaska.	18,087	35,972	280	1,200	.....	34,512	.....	.....	.....
Ridgeview Coal Co.	Ridgeview.	6,753	16,629	600	350	.....	15,679	.....	.....	.....
Wphralm Creek O. & O. Co.	Buffalo.	53,776	139,042	1,300	1,700	.....	135,542	.....	.....	.....
Quinnlont Coal Co.	Rig Q.	21,433	41,249	600	1,220	13,132	26,237	1,988	6,301	8,289
Glendale Colliery Co.	Glendale.	12,150	31,540	120	240	.....	31,180	.....	.....	.....
Laurel Creek Coal Co.	Laurel.	12,235	29,421	300	960	.....	28,101	.....	.....	.....
Export Coal Co.	Robins.	1,370	9,017	900	134	.....	8,833	.....	.....	.....
Greenwood Coal Co.	Greenwood.	33,739	83,100	900	1,200	.....	81,000	.....	.....	.....
Hemlock Hollow O. & O. Co.	Hemlock.	43,502	96,086	.....	.....	.....	96,086	.....	.....	.....

+ Used in ovens at Eagle No. 1 mine.
+ Used in ovens at Brewster mine.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

Company	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352
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PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)		Total Coal Produced for year.	Used in operation of mine.	Furnish- ed Local Trade and Tenants.	Used in Coke Ovens.	Quan- tity Shipped from Mine.	Production of Coke (Tons of 2,000 lbs.)		
		1st 6 Mos.	2nd 6 Mos.						1st 6 Mos.	2nd 6 Mos.	Total for the year.
Kanawha County—Cont'd.											
Wyatt Coal Co.	North.	2,857	1,776	1,776	.....	.....	.....	1,776	.....	.....
Persinger Coal Co.	Wilton.	25,726	2,500	6,827	71	332	.....	4,904	.....	.....
Wake Forest Mining Co.	Wake Forest	.....	32,408	58,134	.....	446	.....	57,688	.....	.....
The Holley & Stephenson C.& C. Co.	No. 2.	17,857	17,857	35,714	.....	.....	.....	35,714	.....	.....
do	No. 5.	4,464	4,465	8,929	.....	.....	.....	8,929	.....	.....
do	No. 1.	1,330	1,340	2,679	.....	.....	.....	2,679	.....	.....
La mont Mining Co.	Nos. 1 & 3.	24,946	23,756	48,702	645	207	.....	47,850	.....	.....
Carbon Coal Co.	North.	24,899	25,871	50,770	.....	536	.....	49,704	.....	.....
do	South.	51,489	45,238	96,727	1,785	.....	.....	94,937	.....	.....
do	No. 6.	15,879	17,192	33,071	.....	.....	.....	33,071	.....	.....
Republic Coal Co.	No. 1.	30,239	26,778	57,017	.....	.....	.....	57,017	.....	.....
do	No. 2.	30,062	33,634	63,696	.....	.....	.....	63,696	.....	.....
do	No. 3.	9,858	14,746	24,604	.....	.....	.....	24,604	.....	.....
West Virginia Colliery Co.	No. 1.	44,643	62,500	107,143	536	322	.....	106,285	.....	.....
do	No. 2.	23,102	22,825	45,927	.....	.....	.....	45,927	.....	.....
do	No. 3.	.....	4,464	4,464	.....	.....	.....	4,464	.....	.....
Cabln Creek Cons. C. Co.	Acme.	9,899	5,931	15,830	.....	822	.....	15,108	.....	.....
do	Keystons	87,778	82,241	70,019	1,617	.....	.....	68,402	.....	.....
do	Empire.	25,918	20,121	56,039	.....	.....	.....	56,039	.....	.....
do	Buckeye.	.....	589	589	.....	.....	.....	589	.....	.....
do	Shanrock.	32,143	32,840	65,003	.....	.....	.....	65,003	.....	.....
do	Belleclare.	46,709	25,226	51,935	781	396	.....	50,758	.....	.....
do	Ruby.	1,224	13,628	15,152	.....	.....	.....	15,152	.....	.....
do	Holly.	23,941	26,048	49,989	.....	233	.....	49,704	.....	.....
do	Quarrier.	35,008	33,848	68,856	1,130	334	.....	67,412	.....	.....
do	Red Warrior.	23,920	25,994	49,914	1,183	354	.....	48,377	.....	.....
do	Cherokee.	27,088	23,278	50,366	.....	.....	.....	50,366	.....	.....
do	Davis.	26,899	31,841	58,740	609	200	.....	57,971	.....	.....
do	Caledonia.	10,714	12,682	23,396	1,406	.....	.....	21,990	.....	.....
do	Thistle.	26,785	24,412	51,197	.....	.....	.....	51,197	.....	.....
do	Rose.	2,678	6,262	8,940	.....	.....	.....	8,940	.....	.....
do	Raccoon.	26,786	29,621	56,407	.....	.....	.....	56,407	.....	.....
do	United Gas.	35,884	47,767	83,651	446	.....	.....	83,185	.....	.....
do	Splint.	1,453	12,382	13,835	.....	.....	.....	13,835	.....	.....
do	Kayford.	64,285	42,967	107,252	2,048	222	.....	104,982	.....	.....
Coalburg-Kanawha Coal Co.	Klondike.	4,708	4,446	9,154	.....	423	.....	8,731	.....	.....

Coalburg-Kanawha Coal Co.	No. 6	10,044	11,958	22,102	.....	214	.....	21,898	.....	.....	.....	.....
"	Blue Hole	.....	127	127	.....	.....	.....	127	.....	.....	.....	.....
"	No. 6	.....	800	800	.....	.....	.....	800	.....	.....	.....	.....
Belmont Coal Co.	Coalburg	2,678	5,804	8,482	.....	.....	.....	8,482	.....	.....	.....	.....
"	Lewiston	2,674	4,484	7,158	.....	.....	.....	7,158	.....	.....	.....	.....
"	New Coalburg	21,933	38,284	60,217	.....	.....	.....	60,217	.....	.....	.....	.....
Equitable Coal Co.	No. 8	28,034	32,274	60,308	.....	.....	.....	60,308	.....	.....	.....	.....
Southwestern Splint Fuel Co.	Black Cat	9,590	10,534	20,124	.....	.....	.....	20,124	.....	.....	.....	.....
Paint Creek Collieries Co.	Reynolds	14,528	19,935	34,463	.....	.....	.....	34,463	.....	.....	.....	.....
"	Knickerbocker	18,821	18,715	37,536	.....	.....	.....	37,536	.....	.....	.....	.....
"	Scranton	35,283	47,497	82,680	.....	.....	.....	82,680	.....	.....	.....	.....
"	Paint Creek	29,078	35,192	64,270	.....	.....	.....	64,270	.....	.....	.....	.....
"	Grose Nos. 1 & 2	15,580	14,528	30,108	.....	.....	.....	30,108	.....	.....	.....	.....
"	Greenbrier Nos. 2 & 3	50,707	35,927	86,634	.....	.....	.....	86,634	.....	.....	.....	.....
"	Wacoona	28,309	35,179	63,488	.....	.....	.....	63,488	.....	.....	.....	.....
"	Detroit	.....	7,110	7,110	.....	.....	.....	7,110	.....	.....	.....	.....
"	Morton	18,611	13,754	32,365	.....	.....	.....	32,365	.....	.....	.....	.....
"	Nuckolls	19,252	21,284	40,536	.....	.....	.....	40,536	.....	.....	.....	.....
"	Banner Nos. 1 & 2	38,017	19,771	57,788	.....	.....	.....	57,788	.....	.....	.....	.....
Standard Splint & Gas Co.	Standard	47,972	53,970	101,942	.....	.....	.....	101,942	.....	.....	.....	.....
Imperial Colliery Co.	No. 1	18,980	34,482	53,462	.....	.....	.....	53,462	.....	.....	.....	.....
"	No. 2	20,298	21,610	41,908	.....	.....	.....	41,908	.....	.....	.....	.....
"	No. 3	20,000	24,468	44,468	.....	.....	.....	44,468	.....	.....	.....	.....
Chesapeake Mining Co.	No. 1	28,786	23,744	52,530	.....	.....	.....	52,530	.....	.....	.....	.....
"	Nos. 2 & 3	23,102	34,309	57,411	.....	.....	.....	57,411	.....	.....	.....	.....
Montgomery Coal Co.	Kanawha	22,355	17,153	39,508	.....	.....	.....	39,508	.....	.....	.....	.....
Morris Creek Coal Co.	Morris Creek	15,089	16,637	31,726	.....	.....	.....	31,726	.....	.....	.....	.....
Totals	.....	2,215,575	2,410,526	4,626,101	.....	52,816	28,964	4,490,056	7,815	10,472	18,287	.....
Mason County.												
Mason City O. M. Co.	Linden	9,218	6,631	15,849	.....	196	.....	15,653	.....	.....	.....	.....
Liverpool Salt & Coal Co.	Jackson	7,143	7,143	14,286	.....	.....	.....	14,286	.....	.....	.....	.....
Hartford O. & M. Co.	Hartford	262	7,767	8,029	.....	.....	.....	8,029	.....	.....	.....	.....
Consumers O. & M. Co.	Camden	18,285	17,678	35,963	.....	.....	.....	35,963	.....	.....	.....	.....
Hanging Rock Coal Co.	Klondike	7,107	8,554	15,661	.....	.....	.....	15,661	.....	.....	.....	.....
Beech Grove Coal Co.	Beech Grove	5,714	2,714	8,428	.....	.....	.....	8,428	.....	.....	.....	.....
Totals	.....	47,729	45,482	93,211	.....	22,480	.....	69,731	.....	.....	.....	.....
Nicholas County.												
Bell Creek Coal Co.	Bell Creek	8,036	8,036	16,072	.....	812	.....	15,260	.....	.....	.....	.....
The Columbus Coal Co.	No. 1	804	982	1,786	.....	107	.....	1,679	.....	.....	.....	.....
"	No. 2	.....	3,482	3,482	.....	49	.....	3,433	.....	.....	.....	.....
Kentucky Coal & Lumber Co.	Cambria	2,088	3,087	5,175	.....	246	.....	4,929	.....	.....	.....	.....
"	Mt. Carmel	5,357	5,357	10,714	.....	643	.....	9,071	.....	.....	.....	.....
"	National	2,678	2,678	5,356	.....	207	.....	5,149	.....	.....	.....	.....
Arminius Coal Co.	Arminius	2,680	2,680	5,360	.....	.....	.....	5,360	.....	.....	.....	.....

* Estimated.

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Production of Coal (Tons of 2,240 lbs.)			Distribution of Coal (Tons of 2,240 lbs.)			Production of Coke. (Tons of 2,000 lbs.)		
		1st 6 Mos.	2nd 6 Mos.	Total coal Produced for Year.	Used in Operation of Mine.	Furnished Local Trade and Tenants.	Used in Coke Ovens.	Quantity Shipped from Mine.	1st 6 Mos.	2nd 6 Mos. Total for the Year.
<i>Nicholas County—Cont'd.</i>										
Paint Creek Collieries Co.....	Raven	4,102	5,345	9,447	651	288	.....	8,528	.....	.....
Totals.....	.....	25,755	31,657	57,412	1,814	1,832	.....	53,766	.....	.....
<i>Putnam County</i>										
Plymouth C. & M. Co.....	Plymouth	18,207	16,628	34,835	872	616	.....	33,345	.....	.....
" " " ".....	Manilla.....	28,490	33,720	60,210	872	616	.....	58,722	.....	.....
" " " ".....	California.....	10,729	17,017	27,746	872	616	.....	26,288	.....	.....
The Otto Marmet C. & M. Co.	Big Otto Nos 1, 2 & 3.	68,114	69,031	137,145	.....	1,436	.....	135,710	.....	.....
Black Betsey C. & M. Co.....	Nos. 1 & 2.....	70,736	67,106	137,842	2,232	982	.....	134,628	.....	.....
The Oak Forest C. & M. Co.	Oak Forest.....	1,714	1,788	3,500	143	1,428	.....	1,929	.....	.....
Alpha C. M. Co.....	Alpha.....	.....	107	107	.....	.....	.....	107	.....	.....
Totals.....	.....	196,020	205,366	401,413	4,991	5,693	.....	390,729	.....	.....
<i>Greenbrier County</i>										
Elk Lick Coal Co.....	Lost Flat.....	15,849	12,129	31,978	373	.....	.....	31,605	.....	.....
Totals.....	.....	15,849	16,129	31,978	373	.....	.....	31,605	.....	.....
<i>Raleigh County</i>										
New River Collieries Co.....	Royal.....	14,932	15,764	30,696	468	289	.....	29,959	.....	.....
" " " ".....	Lanark.....	21,500	26,276	47,776	1,436	584	.....	45,756	.....	.....
Raleigh C. & C. Co.....	No. 3.....	65,479	73,207	138,686	.....	.....	.....	138,686	.....	.....
" " " ".....	Nos. 1, 2 & 4.....	31,950	40,385	72,335	5,250	330	.....	66,755	.....	.....
" " " ".....	No. 5.....	650	3,470	4,120	.....	.....	.....	4,120	.....	.....
The Wright C. & C. Co.....	Wright.....	33,031	38,209	71,240	480	610	.....	70,150	.....	.....
" " " ".....	Pack.....	10,621	12,194	22,815	.....	6,175	.....	16,640	.....	.....
Piney C. & C. Co.....	Piney No. 1.....	20,143	24,843	44,986	1,200	650	.....	43,186	.....	.....
" " " ".....	No. 2.....	15,449	20,804	36,253	.....	500	.....	35,753	.....	.....
" " " ".....	" Nos. 3 & 4.....	20,789	45,021	65,810	.....	600	.....	65,210	.....	.....
Stonewall C. & C. Co.....	Stonewall.....	11,738	16,461	28,219	805	140	.....	27,774	.....	.....
" " " ".....	Terry.....	22,333	24,325	46,658	100	165	.....	46,393	.....	.....
McKell C. & C. Co.....	Oswald.....	22,285	22,273	44,558	.....	330	.....	44,178	.....	.....
" " " ".....	Sidney.....	7,498	12,589	20,087	.....	140	.....	19,917	.....	.....
" " " ".....	Graham.....	21,235	18,718	39,953	.....	295	.....	39,658	.....	.....

PRODUCTION OF COAL AND COKE, BY COUNTIES, FOR YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	Production of Coal (Tons of 2,240 lbs.)		Total Coal Produced for year	Distribution of Coal (Tons of 2,240 lbs.)		Production of Coke (Tons of 2,000 lbs.)				
	1st 6 Mos.	2nd 6 Mos.		Used in operation of mine.	Furnished Local Trade and Tenants	Used in Coke Ovens.	Quantity Shipped from Mine	1st 6 Mos.	2nd 6 Mos.	Total for the year.
Mingo County,—Cont'd.										
Thacker O. & O. Co.	13,418	11,616	24,028		300		24,728			
Thacker Fuel Co.	25,306	27,889	53,175	600	300		52,475			
Allen Alum Coal Co.	69,284	61,586	131,120	1,000	1,000		129,120			
Big Spring Coal Co.	4,289	2,585	6,874		108		6,771			
War Eagle Coal Co.	35,382	38,182	73,514				73,514			
" " " "	39,083	43,694	82,657				82,657			
" " " "	36,841	39,087	75,878	4,911	2,232		68,735			
" " " "	37,840	37,607	74,947				74,947			
Hatfield Colliery Co.	13,311	17,151	30,462	1,200			29,262			
Oulross Coal Co.	8,296	4,596	13,192				13,192			
Mate Creek Coal Co.	17,657	17,857	35,714	536	88		35,000			
Marvin Coal Co.	18,079	16,875	34,654	354	842		33,956			
Margaret Mining Co.	27,232	32,768	60,000	2,063	253		57,724			
Majestic Collieries Co.		6,071	6,071		180		5,911			
Merrimac O. & O. Co.	7,025	13,800	20,825		1,910		18,915			
Williamson O. & O. Co.	16,326	15,885	32,211	482			32,211			
Winifrede Cons. Co.	9,170	10,842	20,012	794	4,464		15,056			
" " " "	13,209	17,322	30,531	45	377		29,400			
" " " "	27,296	30,985	58,281	1,072	387		56,872			
" " " "	14,524	29,171	42,845	800	600		41,435			
" " " "	20,000	30,000	50,000	800	275		49,005			
" " " "	21,439	13,388	34,822				34,822			
" " " "	10,714	12,053	22,767	490			22,277			
" " " "	19,216	19,373	38,589		1,429		37,160			
" " " "	255	6,415	6,670	165	125		6,380			
" " " "	179	238	447		134		313			
" " " "	69	764	828		26		797			
Totals	917,377	949,823	1,867,100	36,517	22,807		817,776			
Wayne County.										
East Lynn Coal Co.	8,896	15,821	25,217		536		24,681			
Totals	8,896	15,821	25,217		536		24,681			
McDowell County.										
Algonia O. & O. Co.	35,844	86,285	172,129	1,200	600	37,404	188,935	10,774	12,440	23,214

Gilliam.....	81,799	85,520	167,319	2,009	53,145	113,165	18,341	19,250	33,591
Roanoke.....	50,656	49,627	100,288	900	31,140	67,543	12,000	11,263	23,253
Indian Ridge.....	67,577	57,661	125,238	640	30,890	98,398	10,880	12,178	23,053
Arlington.....	59,287	57,235	116,522	1,000	34,910	79,603	10,664	11,161	21,825
Greenbrier.....	76,229	75,006	151,235	2,672	46,920	100,538	14,015	17,206	31,281
McDowell.....	116,861	120,127	237,038	9,000	84,563	201,354	12,237	13,533	25,820
Ashland Nos. 1 & 2.....	137,396	122,745	260,141	5,475	76,215	173,405	24,830	25,980	50,810
Elk Ridge Nos. 1 & 2.....	63,438	69,421	132,859	5,000	50,421	76,363	10,830	21,860	32,690
Norfolk & Angle.....	192,250	201,245	393,495	4,000	186,193	197,300	54,850	61,530	116,380
Lick Branch.....	118,743	115,180	233,925	16,000	70,615	155,810	21,547	22,590	44,187
Delta.....	104,400	153,140	253,540	4,500	35,500	208,240	4,680	17,525	22,185
Shamokin.....	107,275	118,680	225,905	4,000	96,195	120,710	32,310	27,810	60,120
Cherokee.....	62,837	63,895	125,732	4,000	.....	118,792	.....	.....	.....
West.....	15,000	15,000	30,000	1,800	65,855	30,000	23,799	25,597	49,396
Elkhorn.....	103,184	109,442	212,626	3,800	79,258	143,659	7,285	10,189	17,474
Zenith Nos. 1 & 2.....	44,210	35,018	79,228	1,731	23,403	85,925	14,528	16,889	31,217
The Tidewater O. & O. Co.....	56,289	55,460	111,749	2,000	39,666	181,472	14,043	15,881	29,924
Bottom Creek O. & O. Co.....	81,670	91,868	173,538	.....	47,877	80,945	20,200	24,797	44,997
Peerless O. & O. Co.....	61,484	67,138	123,822	1,981	51,961	218,781	20,200	24,797	44,997
The Empire O. & O. Co.....	135,773	137,355	273,133	1,200	39,110	82,818	11,680	12,764	24,444
Shawnee O. & O. Co.....	56,681	67,677	124,358	1,200	38,900	108,208	12,500	14,701	27,230
Eureka O. & O. Co.....	78,200	71,100	149,300	2,400	135,510	142,941	42,383	42,323	84,691
Pulaski Iron Oo.....	141,720	140,331	282,051	1,600	33,036	105,479	7,667	11,838	19,505
Keystone Nos. 1 & 2.....	67,889	75,032	142,971	1,200	52,516	111,600	14,830	18,100	32,900
Lynchburg O. & O. Co.....	82,300	76,900	159,200	2,550	70,570	115,474	15,710	17,112	32,822
Powhatan O. & O. Co.....	86,880	84,660	171,540	3,180	82,563	132,111	21,307	25,733	47,043
Nos. 1 & 2.....	103,290	103,868	207,158	2,400	82,563	183,635	31,816	25,980	57,794
Nos. 1 & 2.....	132,081	137,487	269,565	1,404	88,686	186,265	25,217	33,255	58,472
Nos. 1 & 2.....	144,968	133,576	278,544	.....	99,133	278,223	33,314	28,613	61,959
Turkey Gap.....	202,175	175,183	377,358	.....	.....	.....	.....	.....	.....
Olirrus O. & O. Co.....	17,900	16,973	34,873	1,800	530	32,273	.....	.....	.....
Big Sandy O. & O. Co.....	48,278	47,812	96,085	1,340	2,232	92,513	.....	.....	.....
Marytown.....	36,266	33,736	70,002	1,072	1,840	67,590	.....	.....	.....
Maheir No. 1.....	7,430	8,301	15,731	381	1,986	14,384	.....	.....	.....
No. 2.....	.....	2,352	2,352	238	45	2,039	.....	.....	.....
Twin Branch.....	11,012	14,762	25,804	983	983	24,821	.....	.....	.....
J. B. B. No. 1.....	12,175	12,997	25,172	804	804	24,388	.....	.....	.....
.....	13,685	27,738	41,423	714	1,697	39,012	.....	.....	.....
.....	600	9,710	10,310	.....	533	9,771	.....	.....	.....
.....	.....	2,794	2,794	219	45	2,530	.....	.....	.....
.....	.....	2,794	2,794	219	45	2,530	.....	.....	.....
.....	.....	9,821	19,591	977	268	18,349	.....	.....	.....
Cambridge.....	10,270	40,065	79,865	.....	1,600	78,265	.....	.....	.....
No. 1.....	39,800	9,831	19,831	.....	600	19,231	.....	.....	.....
No. 2.....	10,000	2,659	12,481	.....	.....	12,484	.....	.....	.....
No. 3.....	9,825	11,825	15,390	.....	.....	15,399	.....	.....	.....
Pando.....	4,074	14,049	25,549	830	120	25,103	.....	.....	.....
Antler.....	11,500	65,794	128,072	8,710	711	1,190	38,422	43,213	81,635
No. 1.....	62,278	81,593	143,148	261	115	18,516	39,251	62,512	101,793
No. 2.....	61,555	59,547	103,190	17,465	1,425	5,571	28,070	38,083	66,153
No. 3.....	43,643	.....	.....	.....	.....	.....	.....	.....	.....

Louisville O. & O. Co.....	Louisville Nos. 1, 2 & 8, Goodwill & Baby.	72,187	82,681	154,818	4,167	1,185	42,822	106,634	11,981	16,838	28,819
Pinnacle O. & O. Co.....	North & South.....	95,101	92,890	187,991	5,548	1,445	73,622	107,376	25,319	31,785	57,104
Orane Creek O. & O. Co.....	Nos. 1 & 2.....	91,834	94,804	186,638	2,125	1,524	73,029	109,900	23,193	16,678	39,871
Crystal O. & O. Co.....	Crystal.....	39,257	55,165	94,422	759	450	26,850	66,312	4,703	12,847	17,050
Thomas Coal Co.....	Thomas.....	53,312	53,904	107,216	3,000	600	37,453	85,758	13,919	12,887	26,806
The Weyanoke O. & O. Co....	Weyanoke.....	39,009	35,885	74,894	1,250	982	.....	72,662	.....	.....	.....
Spring O. M. Co.....	Spring.....	31,671	34,350	66,021	1,000	400	.....	64,621	.....	.....	.....
Piedmont Colliery.....	No. 1.....	21,393	16,630	38,023	.....	234	.....	37,742	.....	.....	.....
Wenonah O. & O. Co.....	Wenonah.....	30,955	23,311	59,266	625	178	.....	53,463	.....	.....	.....
Hiawatha O. & O. Co.....	Hiawatha.....	24,831	36,040	60,871	625	158	.....	60,088	.....	.....	.....
The Smokeless O. & O. Co....	Smokeless.....	20,871	18,647	39,618	312	89	.....	39,217	.....	.....	.....
Pawama O. & O. Co.....	Pawama.....	18,564	18,012	36,576	153	114	.....	36,304	.....	.....	.....
Oephus Coal Co.....	Oephus.....	4,685	7,280	11,965	178	1,070	.....	10,717	.....	.....	.....
Totals .....	.....	975,382	1,034,140	2,009,522	29,362	15,623	475,348	1,489,189	146,727	166,380	313,117

**PRODUCTION OF COAL IN WEST VIRGINIA, BY GEOGRAPHICAL DISTRICTS,
FOR THE YEAR ENDING JUNE 30TH, 1907.**

(Tons of 2,240 lbs.)

Potomac District	1,883,933
Monongahela District	10,176,636
Wheeling District	1,302,054
Interior District	93,592
Kanawha-New River District	13,637,951
Norfolk & Western District	12,766,145
Total Commercial Mines	39,860,311
Small Mines	180,000
Grand Total	40,040,311

POTOMAC DISTRICT.

(Counties of Grant, Mineral & Tucker.)

Davis C. & C. Co. (1 mine in Grant, 7 in Mineral & 7 in Tucker)	1,376,646
Cumberland Coal Co.	141,688
Buffalo Creek Cumberland Coal Co.	79,297
Smith Coal Co.	48,988
Masteller Coal Co.	48,544
Beacon Coal & Coke Co.	40,065
Gleason Coal & Coke Co.	40,000
The Big Vein Coal Co. of W. Va.	35,087
Abrams Creek Coal Co.	33,209
Piedmont & Potomac Coal Co.	22,510
Glade Run Coal & Coke Co.	9,101
Taylor Coal Co.	8,800
Total	1,883,933

MONONGAHELA DISTRICT.

(Counties of Barbour, Harrison, Marion, Monongalia, Preston, Randolph, Taylor
and Upshur.)

Fairmont Coal Co. (15 mines in Marion, 14 in Harrison and 1 in Monongalia)	4,164,337
Clarksburg Fuel Co.	668,073
Davis Colliery Co. (2 mines in Randolph and 1 in Barbour)	438,583
Pittsburg & Fairmont Fuel Co.	415,003
Davis Coal & Coke Co. (2 mines in Barbour, 3 in Randolph and 1 in Taylor)	336,629
Georges Creek Coal & Iron Co.	323,793
Elkins Coal & Coke Co. (2 mines in Monongalia and 2 in Preston)	317,035
Southern Coal & Transportation Co.	262,849
Merchants Coal Co.	214,723
The Virginia & Pittsburg Coal & Coke Co.	207,311
Century Coal Co. of W. Va.	191,705
Madeira-Hill-Clark Coal Co.	186,491
Austen Coal & Coke Co.	174,845
New Central Coal Co.	126,358
Federal Coal & Coke Co.	126,340
Irona Coal Co.	106,768
Pitcairn Coal Co.	103,643

Rosemont Coal Co.	96,928
Cook Coal & Coke Co.	87,000
Philippi Collieries Co.	83,977
Pittsvein Coal Co.	82,068
O'Gara Coal Mining Co.	81,635
Marshall Coal Co.	77,940
Fairmont & Baltimore Coal & Coke Co.	77,661
Hutchinson Fuel & Supply Co.	72,449
Short Line Coal Co.	72,000
Meadow Brook Coal & Coke Co.	66,364
Orr Coal & Coke Co.	64,650
Grafton Coal & Coke Co.	64,109
Kingwood Coal Co.	60,075
Atlantic Coal & Coke Co.	59,320
Connellsville Basin Coke Co.	49,074
Gorman Coal & Coke Co.	48,468
Tygarts River Coal Co.	44,980
Hamilton Coal & Coke Co.	44,173
Oakland Coal & Coke Co.	43,027
Pennsylvania Consolidated Coal Co. (1 mine in Preston and 1 in Upshur)	37,384
Kilarm Coal & Coke Co.	34,565
Davis Coal Mining Co.	34,170
Maryland Coal Co.	33,097
Summit Coal & Coke Co.	32,795
Opekiska Coal & Coke Co.	29,575
The Manufacturers Coal & Coke Co.	27,344
Red Rock Fuel Co.	26,814
Grafton Fuel Co.	26,177
Laurel Creek Coal Co.	25,495
Hite Coal & Coke Co.	24,114
Corona Coal & Coke Co.	22,993
W. H. Green	20,000
National Coal Co.	20,000
Central Fairmont Coal Co.	19,830
Cook & Hart Coal Co.	19,283
Rose-Bud Coal Co.	19,067
Midland Coal & Coke Co.	18,901
L. B. Brydon	15,940
The Pennsylvania Coal & Mining Co.	11,933
Miller Coal & Coke Co.	11,700
Parker Run Coal & Coke Co.	9,538
Buckhannon River Coal Co.	5,160
The Great Scott Coal & Coke Co.	4,857
Winona Coal & Coke Co.	2,522
Preston County Coke Co.	1,000
Total	10,176,636

WHEELING DISTRICT.

(Counties of Brooke, Hancock, Marshall and Ohio.)

Hichman Coal & Coke Co.	316,845
Lewis-Findley Coal Co.	200,000
La Belle Iron Works (1 mine in Brooke and 1 in Ohio)	100,936
Wheeling Steel & Iron Co.	88,633
Rex Carbon Coal Co.	82,304
Beech Bottom Coal Co.	73,616
Richland Coal Co.	71,225
The Marquet Coal Co.	70,066
Glendale Coal Co.	62,332
The La Belle Coal Co.	40,975
Boggs Run Mining & Manufacturing Co.	37,988

Hemphill Collieries Co.	20,241
Vaughan Coal & Coke Co.	19,594
Logan Coal Co.	18,751
Maher Coal & Coke Co.	18,083
Belvedere Gas Coal Co.	16,270
Pando Coal Co.	13,399
Pearl Coal Mining Co.	13,422
Culross Coal Co.	13,192
Yuma Coal & Coke Co.	12,925
Cephus Coal Co.	11,965
Fort Branch Coal Co.	11,487
Odd Coal & Coke Co.	9,821
Ethel Coal Co.	9,454
Dixon-Pocahontas Fuel Co.	7,354
Big Splint Coal Co.	6,874
Warfield Coal Co.	6,670
Rex Coal & Coke Co.	6,485
Cora Coal & Coke Co.	6,250
Majestic Collieries Co.	6,071
Slick Rock Coal Co.	5,358
H. T. Wilson Coal Co.	3,571
J. H. Mitchell	3,300
Prudential Coal & Mining Co.	2,232
Winifrede Consolidated Coal Co.	1,786
Jed Coal & Coke Co.	1,116
Mattie May Coal & Coke Co.	823
Sycamore Coal Co.	447
Total	12,766,145

**A COMPARATIVE STATEMENT OF THE PICK AND MACHINE MINED
COAL, BY COUNTIES, 1907.**
(Tons of 2,240 lbs)

COUNTY.	Pick Mined Coal.	Machine Mined Coal.	Total Production.
Brooke.....	157,618	369,884	526,997
Hancock	30,780	47,500	78,280
Marion.....	1,694,004	1,925,760	3,619,764
Monongalia.....	152,329	140,267	292,596
Marshall.....	75,251	485,178	560,427
Ohio.....	58,517	77,833	136,350
Barbour.....	314,975	461,870	776,245
Gilmer	312	.....	312
Harrison.....	928,367	2,414,952	3,343,319
Lewis.....	5,528	.....	5,528
Taylor.....	371,645	44,493	416,138
Upshur.....	17,548	21,954	39,502
Grant.....	79,297	192,245	271,542
Mineral.....	608,059	4,113	607,172
Preston.....	578,231	501,441	1,079,692
Randolph.....	302,582	6,798	309,380
Tucker.....	822,868	182,851	1,005,219
Braxton	55,774	.....	55,774
Olay	29,233	31,019	60,252
Fayette.....	5,406,455	1,870,842	7,277,297
Kanawha	1,353,715	3,272,886	4,626,101
Mason.....	57,253	35,958	93,211
Nicholas.....	28,686	30,728	57,412
Putnam.....	398,199	3,214	401,413
Greenbrier.....	31,978	.....	31,978
Raleigh	1,054,627	50,049	1,104,676
Lincoln	3,304	14,285	17,589
Logan.....	92,454	648,153	740,607
Mingo	705,059	1,162,041	1,867,100
Wayne	25,217	.....	25,217
McDowell.....	7,665,790	457,909	8,123,699
Mercer.....	1,912,478	97,044	2,009,522
Totals	25,311,128	14,549,183	39,860,311
Small mines.....	180,000	.....	180,000
Grand Totals	25,491,128	14,549,183	40,040,311

SUMMARY OF THE MACHINE MINED COAL IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	No. of mines using ma- chines.	No. of machines.	Tons of coal produced by machines (Tons of 2,240 lbs.)	No. of ma- chine miners	No. of Machine runners and helpers.	Total No. of machine men employed.
Brooke	5	25	369,384	273	53	325
Hancock	1	4	47,500	35	8	43
Marion	19	134	1,925,760	839	243	1,082
Monongalia	4	15	140,267	123	22	145
Marshall	4	20	485,176	301	46	347
Ohio	2	5	77,833	82	10	92
Barbour	12	46	461,270	289	67	356
Harrison	33	194	2,414,962	1,141	309	1,450
Taylor	2	5	44,493	56	7	63
Upshur	2	4	21,954	16	6	22
Grant	1	14	192,245	80	23	103
Mineral	1	2	4,113	25	4	29
Preston	13	69	501,461	354	83	437
Randolph	1	2	6,798	5	2	7
Tucker	5	15	182,351	115	24	139
Clay	1	3	31,019	20	6	26
Fayette	53	218	1,870,842	1,446	363	1,814
Kanawha	103	332	3,272,386	2,608	614	3,222
Mason	1	5	55,958	40	12	52
Nicholas	5	10	30,723	51	14	65
Putnam	1	1	3,214	.....	2	2
Raleigh	5	14	50,049	33	12	50
Lincoln	1	6	14,235	15	8	23
Logan	14	50	648,153	432	104	536
Mingo	29	151	1,162,041	784	259	1,043
McDowell	32	94	457,909	420	175	595
Mercer	5	20	97,044	93	30	123
Totals....	360	1,508	14,549,183	9,734	2,514	12,248

Clearfield & Ohio River Coal Co.	37,155
A. Gilchrist & Son's Coal Co.	34,378
The Glen Easton Coal & Coke Co.	17,474
Wheeling Steam Coal Co.	17,040
Whitaker-Glessner Co.	15,286
The Elm Grove Coal Co.	11,462
M. M. Cullen	8,214
Reymann Brewing Co.	7,042
Peter Storch & Son	4,107
J. S. Creighton	2,834
Jochum & Co.	2,142
Total	1,302,054

INTERIOR DISTRICT.

(Counties of Braxton, Gilmer, Greenbrier & Lewis.)

Davis Colliery Co.	55,774
Elk Lick Coal Co.	31,078
Jacksonville Coal & Coke Co.	5,528
The Cosmopolitan Coal Co.	312
Total	93,592

KANAWHA-NEW RIVER DISTRICT.

(Counties of Clay, Fayette, Kanawha, Lincoln, Mason, Nicholas, Putnam and Raleigh.)

The New River Co. (7 mines in Raleigh & 24 in Fayette.)	1,830,179
Cabin Creek Consolidated Coal Co.	901,980
Sunday Creek Co. (6 mines in Fayette and 6 in Kanawha)	755,283
Boomer Coal & Coke Co.	591,124
Paint Creek Collieries Co. (14 mines in Kanawha, 1 in Fayette and 1 in Nicholas)	577,235
New River Collieries Co. (7 mines in Fayette and 2 in Raleigh)	501,090
McKell Coal & Coke Co. (2 mines in Fayette and 3 in Raleigh)	496,168
New River & Pocahontas Consolidated Coal Co.	483,315
Loup Creek Colliery Co.	261,236
Campbells Creek Coal Co.	239,667
Winifrede Coal Co.	231,645
Raleigh Coal & Coke Co.	215,141
The Carver Brothers Co. (Including Mecca Mines)	211,664
Kellys Creek Colliery Co.	210,201
The Marmet Coal Co.	189,725
Carbon Coal Co.	180,163
Gauley Mountain Coal Co.	169,023
West Virginia Colliery Co.	157,534
Pinney Coal & Coke Co.	147,049
Republic Coal Co.	145,317
Cardiff Coal Co.	141,105
Imperial Colliery Co.	139,758
Ephraim Creek Coal & Coke Co.	139,042
Black Betsey Coal & Mining Co.	137,842
Otto Marmet Coal & Mining Co.	137,145
Hughes Creek Coal Co.	136,658
The Low Moor Iron Co. of Va.	136,610
The Star Coal & Coke Co.	135,331
The Columbus Iron & Steel Co.	125,931
Plymouth Coal & Mining Co.	122,819
Blume Coal & Coke Co.	112,000
The Wyatt Coal Co.	111,241
Chesapeake Mining Co.	107,941

Standard Splint & Gas Coal Co.	104,942
The Mt. Carbon Co. Ltd.	99,823
Hemlock Hollow Coal & Coke Co.	96,086
The Wright Coal & Coke Co.	94,055
Cannelton Coal Co.	93,660
Beechwood Coal & Coke Co.	87,249
Keeneys Creek Colliery Co.	86,986
Black Band Coal & Coke Co.	84,082
Greenwood Coal Co.	83,100
W. R. Johnson & Co.	81,330
The Thurmond Coal Co.	80,580
Dry Branch Coal Co.	79,795
Deltz Colliery Co.	78,570
Stonewall Coal & Coke Co.	74,877
Gamoca Colliery Co.	74,336
The Turkey Knob Coal Co.	72,481
Kanawha Gas Coal Co.	71,286
Belmont Coal Co.	70,297
Goshen Iron Co.	64,474
Lynchburg Colliery Co.	62,500
Nuttallburg Coal & Coke Co.	61,098
Equitable Coal Co.	60,308
Beury Brothers Coal & Coke Co.	60,110
Wake Forest Mining Co.	58,134
Stone Cliff Coal & Coke Co.	57,949
W. R. Johnson	57,782
Ballinger Coal Co.	57,772
The Olcott Coal & Iron Co.	55,799
The Elk Coal Co.	49,255
La Mont Mining Co.	48,702
Blue Creek Coal & Land Co.	48,213
The Holley & Stephenson Coal & Coke Co.	47,322
St. Clair Colliery Co.	46,824
Quincy Coal Co.	42,731
Quinnimont Coal Co.	41,239
Brown Coal Co.	39,547
Montgomery Coal Co.	39,508
Laura Mining Co.	36,281
Alaska Coal & Coke Co.	35,972
Consumers Coal & Mining Co.	35,958
Coalburg Colliery Co.	35,490
Manufacturers & Consumers Coal Co.	34,738
Coalburg-Kanawha Coal Co.	32,183
Rothwell Coal Co.	31,767
Morris Creek Coal Co.	31,696
Glendale Colliery Co.	31,540
Dorfee Coal Mining Co.	31,019
Kentucky Coal & Lumber Co.	30,908
Laurel Creek Coal Co.	29,421
Michigan Coal Co.	26,971
Nichol Colliery Co.	24,641
The Fayette Coal & Coke Co.	24,000
Moseley & Walker	23,113
Beury-New River Coal Co.	22,777
The Dunglen Coal Co.	22,692
Fire Creek Coal & Coke Co.	22,492
Blue Jay Coal & Lumber Co.	21,050
Southwestern Splint Fuel Co.	20,124
Pennsylvania & New River Coal Co.	17,423
South Side Co.	17,416
Ridgeview Coal Co.	16,620

Bell Creek Coal Co.	16,072
Mason City Coal Mining Co.	15,849
Carter Coal Co.	14,679
Liverpool Salt & Coal Co.	14,286
Branchland Coal Co.	14,285
Home Coal Co.	12,655
Newlyn Coal Co.	12,369
Big Bend Coal Co.	12,315
Meadow Fork Coal Co.	10,856
Hanging Rock Coal Co.	10,661
Croft & Evans	10,386
Marrs Branch Coal Co.	10,000
Gaymont Colliery Co.	9,451
Export Coal Co.	9,017
The Graham Coal Co.	8,929
New Cedar Grove Coal & Brick Co.	8,433
Beech Grove Coal Co.	8,428
Hartford Coal & Mining Co.	8,029
The Clay Coal Co.	7,678
Mill Creek Cannel Coal Co.	6,641
Pen Mar Mining Co.	6,454
Lucas Ray Coal Co.	6,321
Kanawha-Elk Coal Co.	5,748
Arminius Coal Co.	5,360
Persinger Coal Co.	5,357
The Columbus Coal Co.	5,268
Elk River Coal & Lumber Co.	4,911
Falling Rock Cannel Coal Co.	4,785
Malcolm Coal Co.	3,616
Oak Forest Coal & Mining Co.	3,500
Rochester Coal Co.	3,304
Jefferson Coal & Coke Co.	2,678
Sunbury Coal & Coke Co.	2,540
Kanawha Block Coal Co.	2,312
Columbia Coal Mining Co.	2,050
Roderick Coal Co.	1,913
New River Valley Coal Co.	1,510
Ft. Defiance Coal & Coke Co.	1,420
Clendenin Mining Co.	504
Alpha Coal Mining Co.	107
Total	13,637,951

NORFOLK & WESTERN DISTRICT.

(Counties of Logan, McDowell, Mercer, Mingo and Wayne.)

Pocahontas Consolidated Collieries Co. (7 mines in McDowell and 1 in Mercer)	1,487,417
United States Coal & Coke Co.	942,441
Red Jacket Consolidated Coal & Coke Co.	503,611
United States Coal & Oil Co.	420,718
Turkey Gap Coal & Coke Co.	377,358
American Coal Co. (Crane Creek & Pinnacle)	374,629
Mill Creek Coal & Coke Co. (including Coaldale)	367,235
Thacker Coal & Coke Co. (Including No. 10)	348,255
War Eagle Coal Co.	306,996
Pulaski Iron Co.	282,051
Crozer Coal & Coke Co.	278,544
The Empire Coal & Coke Co.	273,133
Houston Coal & Coke Co.	269,568
Ashland Coal & Coke Co.	260,141
McDowell Coal & Coke Co.	237,008

Elkhorn Coal & Coke Co.	212,626
Upland Coal & Coke Co.	207,158
Page Coal & Coke Co.	176,681
Bottom Creek Coal & Coke Co.	173,538
Algoma Coal & Coke Co.	172,129
Powhatan Coal & Coke Co.	171,540
Gilliam Coal & Coke Co.	167,319
Big Sandy Coal & Coke Co.	166,087
Booth-Bowen Coal & Coke Co.	163,960
Lynchburg Coal & Coke Co.	159,200
Virginia-Pocahontas Coal Co.	156,673
Louisville Coal & Coke Co.	154,818
Greenbrier Coal & Coke Co.	151,235
Eureka Coal & Coke Co.	149,300
Buckeye Coal & Coke Co.	145,245
Keystone Coal & Coke Co.	142,971
New River & Pocahontas Consolidated Coal Co.	
Elk Ridge Coal & Coke Co.	132,859
Glen Alum Coal Co.	131,120
Peerless Coal & Coke Co.	128,822
Indian Ridge Coal & Coke Co.	125,238
Shawnee Coal & Coke Co.	124,358
Arlington Coal & Coke Co.	116,522
Superior-Pocahontas Coal Co.	112,180
Tidewater Coal & Coke Co.	111,749
Thomas Coal Co.	107,216
Roanoke Coal & Coke Co.	100,283
Crystal Coal & Coke Co.	94,422
J. B. B. Collieries Co.	82,493
Zenith Coal & Coke Co.	79,258
The Weyanoke Coal & Coke Co.	74,894
Oregon Coal Co.	70,741
The Monitor Coal & Coke Co.	69,833
Spring Coal Mining Co.	66,021
Mohawk Coal & Coke Co.	64,648
Hiawatha Coal & Coke Co.	60,871
Margaret Mining Co.	60,000
Draper Coal & Coke Co.	59,375
Wenonah Coal & Coke Co.	59,266
Howard Colliery Co.	58,281
The King Coal Co.	55,122
Merrimac Coal & Coke Co.	53,036
Williamson Coal & Coke Co.	50,543
The Buffalo Collieries Co.	50,000
The Middle States Coal & Coke Co.	50,000
Chattaroy Colliery Co.	42,695
The Gay Coal & Coke Co.	42,529
The Smokeless Coal & Coke Co.	39,618
Lingohocken Coal Co.	38,589
Piedmont Colliery	38,026
Pawama Coal & Coke Co.	36,576
Mate Creek Coal Co.	35,714
Cirrus Coal & Coke Co.	34,873
Leftwich & Taylor	34,822
Stone Branch Coal Co.	34,743
Marvin Coal Co.	34,654
Hatfield Colliery Co.	30,462
Yukon Coal Co.	28,571
Twin Branch Mining Co.	25,804
Antler Coal & Coke Co.	25,549
East Lynn Coal Co.	25,217
Big Creek Coal Co.	23,433
Walnut Hills Coal & Mining Co.	22,767
Welch Coal & Coke Co.	22,720

**COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1907.**

NAME OF COMPANY.	No. of Machine Miners.	No. of machine runners and helpers.	Total No. men em- ployed by machine mining.
<i>Fayette County, Cont'd.</i>			
.....	2	2	4
.....	15	4	19
.....	5	2	7
.....	4	2	6
.....	20	2	22
.....	15	4	19
.....	30	4	34
.....	2	4	6
.....	6	2	8
.....	10	4	14
.....	20	4	24
.....	11	4	15
.....	6	4	10
.....	8	2	10
.....	20	10	30
.....	13	4	17
.....	40	6	46
.....	4	2	6
.....	70	5	75
.....	48	18	66
.....	36	8	44
.....	22	10	32
.....	6	4	10
.....	48	20	68
.....	68	40	108
.....	4	2	6
.....	5	2	7
.....	19	5	24
.....	12	2	14
.....	3	4	7
.....	10	4	14
.....	20	5	25
.....	12	4	16

* Just being Installed

Stuart Colliery Co.....	Parral	4	21,848	11	2	18
Macdonald Colliery Co ..	Stuart	5	37,282	10	2	12
Price Hill Fuel Co.....	Macdonald.....	5	33,414	15	8	15
	Pherwood.....	4	12,048	12		20
Totals.....		218	1,870,842	1,440	868	1,814
Kanawha County.						
Falling Rock Cannel O. Co.....	Jones Nos. 1 & 2....	2	1,109	5	2	7
The Elk Coal Co.....	Turner.....	4	24,559	18	4	22
Lucas Ray Coal Co.....	Lucas Ray	1	6,321	8	2	10
Jefferson O. & O. Co.....	Heatherman	4	2,678	20	4	24
Mill Creek Cannel O. Co ..	Mill Creek	4	5,753	14	8	17
The Campbells Creek O. Co ..	Nos 1 & 3	14	197,895	92	30	122
Quincy Coal Co.....	No. 1	2	12,485	8	6	14
	No. 2	2	22,277	16	3	19
Sunday Creek Co.....	No. 101.....	6	57,423	40	10	50
" ..	No. 105.....	11	186,100	150	16	166
" ..	No. 106.....	2	4,457	30	4	34
" ..	No. 108.....	2	5,055	12	2	14
" ..	No. 109	4	12,147	25	6	31
" ..	No. 110.....	5	1,203	25	8	33
New Cedar Grove Coal & Brick Co.	Boyd	2	8,300	7	8	10
Kellys Creek Colliery Co.....	No. 1	6	73,565	50	10	60
" ..	No. 3.....	7	101,870	75	14	89
" ..	Hughes Nos. 2 & 3....	7	120,039	150	14	34
Hughes Creek Coal Co.....	No. 2	3	35,607	16	4	104
Cannelton Coal Co.....	Monarch Nos. 1 & 2....	14	74,396	48	16	20
The Marinet Coal Co.....	Butler	6	28,051	20	10	64
" ..	" No. 2	4	13,350	15	6	40
" ..	" No. 5	1	479	2	2	21
Black Band O. & O. Co.....	No. 1	8	71,147	19	4	4
" ..	No. 2	7		80	12	23
" ..	No. 3	5		20	8	42
" ..	No. 5	5		35	8	28
The Olcott Coal & Iron Co ..	No. 2	12	31,124	30	12	43
Winifrede Coal Co.....	Gas.....	4	16,497	13	6	42
" ..	South.....	5	18,887	10	3	19
" ..	North.....	7	48,608	32	10	13
" ..	West	2	8,228	6	2	42
Coalburg Colliery Co.....	Ronda.....	3	11,829	17	4	8
Dry Branch Coal Co.....	Peerless	3	25,399	23	6	21
Wyatt Coal Co.....	Belmont & Coalburg...	9	54,396	80	16	29
" ..	Oakley	6	20,137	21	7	96
" ..	Berlin	3	23,328	30	6	23
" ..	South.....	7	53,690	60	8	36
" ..	North.....	1	1,776	6	2	63

Worked two shifts of this number per shift.

COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	No. of Mine machines.	Tons of coal produced by machines. (Tons 2,240 lbs.)	No. of machine miners.	No. of machine runners and helpers.	Total No. men employed by machine mining.
Kanawha County.—Cont'd.						
Persinger Coal Co	Wilton	1	357			2
Wake Forest Mining Co	Wake Forest	3	48,285			6
The Holley & Stephenson C. & O. Co	No. 2	4	35,714	25		31
"	No. 5	2	8,929	35		41
"	No. 1	1	2,679	20		24
Ia Mont Mining Co	Nos. 1 & 3	3	48,702	4		4
Carbon Coal Co	North	3	50,240	31		35
"	South	5	96,752	25		31
"	No. 3	2	83,171	35	15	50
Republic Coal Co	No. 1	3	43,750	20	4	24
"	No. 2	2	63,696	14	6	20
"	No. 3	2	24,604	25	6	31
West Virginia Colliery Co	No. 1	4	61,228	12	4	16
"	No. 2	2	36,218	35	16	51
"	No. 3	2	4,464	14	4	18
Cabin Creek Consolidated C. Co	Acme	3	15,830	10	4	14
"	Keystone	2	32,241	9	4	13
"	Empire	4	55,443	15	5	20
"	Buckeye	1	589	20	3	23
"	Shamrock	5	65,003	12	2	14
"	Belleclare	4	37,372	45	6	51
"	Ruby	2	15,152	17	4	21
"	Holly	7	49,989	11	2	13
"	Quarrier	8	66,876	30	10	40
"	Red Warrior	5	49,914	26	12	38
"	Cherokee	5	29,720	21	6	27
"	Davis	5	58,740	18	5	23
"	Oaledonia	3	20,796	33	4	37
"	Thistle	4	15,390	15	4	19
"	Rose	2	4,834	23	2	25
"	Raccoon	3	32,271	10	4	14
"	United Gas Splint	3	47,684	22	12	34
"	Kayford	1	13,835	35	6	41
Belmont Coal Co	New Coalburg	4	106,551	11	2	13
Equitable Coal Co	No. 8	5	4,161	37	6	43
Southwestern Splint Fuel Co	Black Cat	7	59,554	30	8	38
Paint Creek Collieries Co	Reynolds	4	20,124	65	10	75
"		3	33,144	60	8	68
"		8		27	6	33

Paint Creek Collieries Co.	Scranton	5	68,142	30	10	40
"	Paint Creek	5	55,899	40	10	50
"	Grose No. 2	1	6,318	15	2	17
"	Greenbrier No. 2	1	8,310	2	2	4
"	"	2		14	4	18
"	Wacomah	3	23,729	46	6	52
"	Detroit	4	7,060	10	8	18
"	Morton	2	16,089	8	4	12
"	Banner No. 1	2	27,361	23	4	27
"	Banner No. 2	1	90,044	10	2	12
Standard Splint & Gas Co.	Standard	5	33,918	60	10	70
Imperial Colliery Co.	No. 1	6	41,878	25	10	35
"	No. 2	4	44,468	30	8	38
"	No. 3	3	25,886	30	6	36
Chesapeake Mining Co.	No. 1	7	14,046	12	4	16
"	Nos. 2 & 3	2	5,107	8	3	11
Montgomery Coal Co.	Kanawha	1	29,464	4		4
Morris Creek Coal Co.	Morris Creek	3		36	6	42
Totals		382	3,272,686	2,608	614	3,222
Mason County						
Consumers C. & M. Co.	Camden	5	35,958	40	12	52
Totals		5	35,958	40	12	52
Nicholas County						
Bell Creek Coal Co.	Bell Creek	2	10,714	18	2	20
The Columbus Coal Co.	No. 1	2	1,786	4	2	6
Kentucky Coal & Lumber Co.	Cambria	2	4,705	10	4	14
Paint Creek Collieries Co.	Mt. Carmel	2	7,714	15	4	19
"	Raven	2	5,807	4	2	6
Totals		10	30,726	51	14	65
Putnam County						
Black Betsey C. & M. Co.	Nos. 1 & 2	1	3,214		2	2
Totals		1	3,214		2	2
Raleigh County						
Raleigh C. & O. Co.	No. 3	5	19,691	10	4	14
"	No. 1	1	1,854	1		1
McKell C. & O. Co.	Oswald	2	1,000	8	2	10
Granberry Fuel Co.	Skelton	2	2,504	4	2	6
Price Hill Fuel Co.	Price Hill	4	25,000	15	4	19
Totals		14	50,049	38	12	50
Lincoln County						
Branchland Coal Co.	Lincoln No. 1	6	14,285	15	8	23
Totals		6	14,285	15	8	23

**COMPANIES OPERATING MINE MACHINES AND THE QUANTITY OF COAL PRODUCED BY THEM FOR THE YEAR
ENDING JUNE 30TH, 1907.**

NAME OF COMPANY.	NAME OF MINE.	No. of mine machines.	Tons of coal produced by machines (Tons of 2,240 lbs.)	No. of machine miners.	No. of machine runners and helpers.	Total No. men employed by machine mining
Logan County.						
The Monitor O. & O. Co.	Monitor & Beechwood.	4	60,803	42	8	50
The Gay O. & O. Co.	Gay	2	42,529	25	4	29
Draper O. & O. Co.	Draper	5	44,845	30	8	38
Big Creek Coal Co.	Big Creek	2	5,857	30	4	34
United States Coal & Oil Co.	Island Creek No. 1	7	205,253	120	20	140
	Island Creek No. 2	7	224,465	140	20	160
Stone Branch Coal Co.	Stone Branch	2	8,782	15	4	19
Logan	No. 1	6	6,807	19	10	29
Yuma	Yuma	3	12,925	15	4	19
Fort H	Fort Branch	3	11,485	10	6	16
Corra C	Corra	2	6,250	10	4	14
Kithel	Kithel	4	6,381	14	6	20
H. T.	Wilson	3	3,571	12	6	18
Totals.....		50	648,193	482	104	586
Mingo County.						
Pearl Coal Mining Co.	Haggerty	2	9,340	12	2	14
Red Jacket Cons. O. & O. Co.	Rutherford	2	54,743	36	4	39
" " " " " "	Red Jacket	9	81,067	86	18	104
" " " " " "	Logan	2	15,645	14	4	20
" " " " " "	Maritime	2	41,216	38	6	44
Thacker O. & O. Co.	No. 2	15	28,213	25	25	50
" " " " " "	No. 3	6	68,375	75	10	85
" " " " " "	Nos. 1 & 2	12	131,120	60	25	85
Glenn Alum Coal Co.	War Kagle	9	73,514	36	17	53
War Eagle Coal Co.	Pappoose	8	82,637	45	14	59
" " " " " "	Mephisto	7	75,878	40	14	54
" " " " " "	Star	8	74,947	48	14	62
Hatfield Colliery Co.	Hatfield	3	30,462	15	6	21
Mate Creek Coal Co.	Nos. 1 & 2	6	28,672	19	6	25
Marvin Coal Co.	Marvin No. 1	8	34,654	14	10	24
Margaret Mining Co.	Margaret Nos. 1 & 2	9	60,000	40	10	50
Merrimac O. & O. Co.	Commercial	4	20,625	10	8	18
Williamson O. & O. Co.	Coaling Station	4	32,211	20	8	28
" " " " " "	Williamson No. 1	3	12,893	12	6	18
" " " " " "	Williamson No. 2	5	30,681	20	10	30
Winifrede Consolidated O. Co.	Sugar Tree	8	1,786	15	5	20

Howard Colliery Co.	Howard	8	151	1,162,041	784	259	1,043
Chattahoochee Colliery Co.	Chattahoochee	5		28,975	30	10	6
The Buffalo Collieries Co.	Buffalo	5		50,000	11	8	40
Leftwich & Taylor	Rawl No. 1	4		34,822	15	8	19
Lingochocken Coal Co.	Lingochocken No. 1	1		6,432	30	4	23
Totals			151	1,162,041	784	259	34
McDowell County.							
Indian Ridge O. & O. Co.	Indian Ridge	2		23,594	16		21
McDowell O. & O. Co.	McDowell	6		17,183	8		10
The Tidewater O. & O. Co.	Tidewater	2		12,282	10		14
Peerless O. & O. Co.	Peerless	1		14,000	8		8
Upland O. & O. Co.	Nos. 1 & 2	4		13,243	8		12
Big Sandy O. & O. Co.	Marytown	4		9,251	10		13
Maheer O. & O. Co.	Maheer No. 1	4		3,252	6		10
J. B. B. Collieries Co.	Maheer No. 2	2		12,535	10		14
"	J. B. B. No. 1	5		17,423	20		20
"	" No. 2	4		6,014	8		16
"	" No. 3	2		2,794	8		16
"	" No. 4	2		2,794	8		16
"	" No. 5	2		2,794	8		16
Superior-Pocahontas O. Co.	No. 1	1		1,000	25		27
Antler O. & O. Co.	Antler	5		2,548	10		16
United States O. & O. Co.	No. 1	3		400	5		8
"	No. 2	3		5,573	7		12
"	No. 3	4			6		11
"	No. 4	2		906	3		6
"	No. 5	1		2,567	3		14
"	No. 6	1		64,643	45		59
"	No. 7	1		7,440	8		12
Mohawk O. & O. Co.	Mohawk	2		13,493	10		14
"	Welch	2		35,813	20		25
"	Hemphill	3		10,000			4
"	Imo	4		50,000	60		68
"	Nos. 1 & 2	4		54,992	35		47
New River & Pocahontas Cons. O. Co.	No. 1	3		57,794	28		52
"	No. 1 1/2	2		15,210	25		31
"	No. 2	2		2,451			4
Dixon-Pocahontas Fuel Co.	North Side	2					
Totals		94		457,909	420	175	595
Mercer County.							
Louisville O. & O. Co.	Louisville Nos. 1, 2 & 3	4		11,223	30	10	40
The Weyanoke C. & Co.	Goodwill & Baby	2		797	4	2	6
Spring Coal Mining Co.	Weyanoke	7		53,133	57	10	47
Piedmont Colliery	Spring	7		31,836	22	8	30
Totals		20		97,044	98	30	123

*Not being used.

†Just installed.

SUMMARY OF THE NUMBER AND KINDS OF MINING MACHINES IN
USE IN THE STATE, FOR THE YEAR ENDING
JUNE 30TH, 1907.

COUNTY	Electrical Mine Machines.				Compressed Air Mine Machines				Total No. of Machines.	Tons of coal pro- duced by ma- chines (tons of 2,240 lbs.)
	Jeffrey.	Morgan- Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll- Rand.	Sullivan	Jeffrey.		
Brooke.....	22	.....	.....	8	.....	.....	.....	.....	25	899,884
Hancock.....	4	.....	.....	.....	.....	.....	.....	.....	4	47,500
Marion.....	54	20	.....	2	22	18	7	11	134	1,925,700
Monongalia.....	6	6	.....	3	.....	.....	.....	.....	15	140,267
Marshall.....	17	.....	.....	.....	3	.....	.....	.....	20	485,176
Ohio.....	5	.....	.....	.....	.....	.....	.....	.....	5	77,833
Barbour.....	10	8	2	3	5	4	3	11	46	461,270
Harrison.....	61	24	2	1	59	31	11	5	194	2,414,952
Taylor.....	.....	3	2	.....	.....	.....	.....	.....	5	44,493
Upshur.....	1	.....	.....	3	.....	.....	.....	.....	4	21,954
Grant.....	.....	.....	.....	.....	.....	14	.....	.....	14	192,245
Mineral.....	2	.....	.....	.....	.....	.....	.....	.....	2	4,113
Preston.....	2	6	6	7	39	8	6	.....	69	501,461
Randolph.....	.....	.....	.....	.....	.....	.....	2	.....	2	6,798
Tucker.....	.....	.....	.....	.....	.....	9	6	.....	15	182,351
Clay.....	.....	3	.....	.....	.....	.....	.....	.....	3	31,019
Fayette.....	60	38	25	16	73	.....	6	.....	218	1,870,842
Kanawha.....	125	175	25	8	44	5	.....	.....	332	3,272,396
Mason.....	.....	5	.....	.....	.....	.....	.....	.....	5	35,958
Nicholas.....	3	7	.....	.....	.....	.....	.....	.....	10	30,728
Putnam.....	.....	.....	1	.....	.....	.....	.....	.....	1	3,214
Raleigh.....	8	.....	.....	.....	5	.....	1	.....	14	50,049
Lincoln.....	.....	.....	.....	.....	6	.....	.....	.....	6	14,285
Logan.....	16	6	3	4	19	.....	2	.....	50	648,153
Mingo.....	24	11	.....	1	80	27	7	1	151	1,162,041
McDowell.....	7	.....	.....	23	19	38	7	.....	94	457,900
Mercer.....	.....	2	.....	.....	.....	15	3	.....	20	97,044
Totals.....	427	314	66	74	374	164	61	28	1,508	14,549,183

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.				Compressed Air Mine Machines.				Total No. of Machines.	Tons of coal produced by machines. (Tons of 2,240 lbs.)
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Rand.	Sullivan.	Jeffrey.		
Brooke County.	Lewis No. 1	3								3	40,975
	Beech Bottom No. 1	1			3					4	33,996
	Lewis-Findley Coal Co.	6								6	121,429
	La Belle Iron Works	9								9	95,724
	Rex Carbon Coal Co.	4								4	77,260
	Totals	22			3					25	369,364
Hancock County.	No. 4	4								4	47,500
	Totals	4								4	47,500
Marion County.	Murray	6								6	55,625
	Montana	8								8	124,236
	Shaft	6								6	127,458
	New England	10								10	140,236
	Gaston	7								7	148,285
	Monongah Nos. 2, 3 & 5		7							7	115,743
	No. 6	1	6							7	197,354
	No. 8		5		2					7	235,981
	Anderson					2				2	59,513
	Highland						6			6	43,317
	Middleton	2								2	106,140
	Ohleifton	5								5	115,981
	Hutchinson	6								6	9,324
	Chatham No. 1	3								3	217,196
	Federal No. 1					6	3		5	21	74,583
	New Central Coal Co.					10				10	125,068
	Kilarm		2			4	9			17	29,770
	Totals	54	20		2	22	18	7	11	134	1,925,760

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.					Compressed Air Mine Machines.				Total No. of Machines.	Tons of coal produced by machines (Tons of 2,240 lbs.)
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Rand.	Sullivan.	Jeffrey.			
<i>Monongalia County.</i>												
Fairmont Coal Co.	Beechwood	3									8	32,764
Elkins C. & C. Co.	Richard				3						3	45,722
	Sabraton	3									3	31,603
Connellsville Basin Coke Co.	Connellsville		6								3	30,033
Totals		6	6		3						15	140,237
<i>Marshall County.</i>												
Hitchman C. & C. Co.	Hitchman	10									10	316,845
Wheeling Steel & Iron Co.	Benwood	3									3	81,239
Glendale Coal Co.	Glendale	4									4	62,332
Clearfield & Ohio River C. Co.	Mound City Shaft					3					3	24,710
Totals		17				3					20	485,176
<i>Ohio County.</i>												
Richland Coal Co.	Richland	3									3	69,886
The Elm Grove Coal Co.	Elm Grove	2									2	7,947
Totals		5									5	77,833
<i>Barbour County.</i>												
Philippi Collieries Co.	Nos. 1, 2, 3 and 4	3	1	2							6	69,157
	No. 5	1									1	14,822
Tygarts River Coal Co.	Arden					4					4	44,980
Southern Coal & Trans. Co.	Berryburg					1	1		11		14	203,386
Century Coal Co. of W. Va.	Century No. 1	6	7								13	89,618
Grafton Fuel Co.	Lillian						3				3	15,177
Davis C. & C. Co.	No. 4										2	3,323
Miller C. & C. Co.	Sara				1						1	9,376
Midland C. & C. Co.	Midland				2						2	11,423
Totals		10	8	2	3	5	4		11	46		461,270

[illegible]

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.				Compressed Air Mine Machines.				Total No. of Machines.	Tons of Coal Pro-duced by ma-chines. (Tons 2,240 lbs.)
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Rand.	Sullivan.	Jeffrey.		
<i>Mineral County.</i>											
Abrams Creek C. & C. Co.	Oakmont.	2								2	4,113
Totals		2								2	4,113
<i>Preston County.</i>											
Austen C. & C. Co.	Austen No. 1.			3						3	21,225
	No. 2.			3						3	38,386
Hamilton C. & C. Co.	Newburg Shaft.					8				8	22,086
Gorman C. & C. Co.	No. 2.							8		3	18,232
Irona Coal Co.	Irona No. 1.					3				3	67,861
	No. 2.					6				6	173,686
Merchants Coal Co.	Merchants No. 2.		6					3		9	43,245
Oakland C. & C. Co.	Corinth.									3	12,460
Kingwood Coal Co.	Howesville.					6				6	53,605
Orr C. & C. Co.	Vulcan.					7				7	40,102
Atlantic C. & C. Co.	Atlantic.					9				9	10,573
Elkins C. & C. Co.	Bretz.	1			5					6	
	Kingwood.	1			2					3	
Totals		2	6	6	7	30	8	6		69	501,461
<i>Randolph County.</i>											
Davis C. & C. Co.	No. 5.							2		2	6,798
Totals											6,798
<i>Tucker County.</i>											
Davis C. & C. Co.	No. 25.								5	5	83,392
	No. 37.								2	2	4,500

+Not used.

Cumberland Coal Co	No. 3 & 4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.				Compressed Air Mine Machines.				Total No. of Machines.	Tons of Coal produced by machines (Tons of 2,240 lbs.)
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Rand.	Sullivan.	Jeffrey.		
<i>Payette County.—Cont'd.</i>											
New River & Pocahontas Cons. Co.	No. 3		1								7,924
"	No. 3		1								11,105
"	No. 4		2								19,032
"	No. 5		1		5						20,854
McKell Co. & Co.	Derryhate			1							2,760
"	Kilayth.										5,792
The Star Co. & Co.	Star.	1									20,910
Prudence Coal Co.	Prudence, Lyman & Jones	3		2							8,141
Collins Colliery Co.	Collins Nos. 1 and 2		1								8,397
White Oak Fuel Co.	Wingrove					8					10,436
"	Scarbro	1		1		4			1		20,684
"	Whipple					4					10,832
Stuart Colliery Co.	Parral					2			2		21,848
"	Stuart					3					37,282
Macdonald Colliery Co.	Macdonald.					5					53,414
Price Hill Fuel Co.	Sherwood				1	4					12,048
Totals		60	38	25	16	73	1	6	218	218	1,870,842
<i>Kanawha County.</i>											
O. Co.	Jones Nos. 1 and 2.					1					1,199
"	Turner.	4					1				24,559
"	Lucas Ray		1								6,321
"	Heatherman					4					2,578
Oo.	Mill Creek.					4					5,763
O. Co.	Nos. 1 and 3.	14									197,325
"	No. 1.		2								12,485
"	No. 2.		2								22,277
"	No. 101.		2	4							57,428
Sunday Creek Coal Co.	No. 105		2	7							186,100
"	No. 106	1									4,457
"	No. 108		2								5,065
"	No. 109	2									12,147
"	No. 110.	1	5								1,208

New Cedar Grove Coal & Brick Co	Boyd	2							8,200
Kelly's Creek Colliery Co	No. 1	6							78,535
" " "	No. 8	7							101,850
" " "	No. 3½	2							120,039
Hughes Creek Coal Co	Hughes Nos. 2 and 8	1							35,607
Oannelton Coal Co	No. 2	8							74,396
The Marinet Coal Co	Monarch Nos. 1 and 2	14							28,051
" " "	Butler	4							13,850
" " "	No. 2	4							479
" " "	No. 5	1							71,147
Black Band C. & O. Co	No. 1	3							81,124
" " "	No. 2	7							16,497
" " "	No. 3	2							18,887
" " "	No. 6	5							48,608
The Olcott Coal & Iron Co	No. 2	5							8,228
Winifrede Coal Co	Gas.	4							11,829
" " "	South	5							25,399
" " "	North	7							54,396
" " "	West	1							20,137
Coalburg Colliery Co	Ronda	3							23,828
Dry Branch Coal Co	Peerless	2							56,660
Wyatt Coal Co	Belmont and Coalburg	8							1,776
" " "	Oakley	2							357
" " "	Berlin	3							48,285
" " "	South	3							35,714
" " "	North	1							8,929
Persinger Coal Co	Wilton	3							2,679
Wake Forest M. Co	Wake Forest	3							48,702
The Holley & Stephenson C. & O. Co	No. 2	4							50,240
" " "	No. 5	2							96,752
" " "	No. 1	1							33,171
LaMont Mining Co	Nos. 1 and 3	8							43,750
Carbon Coal Co	North	3							63,696
" " "	South	5							24,604
" " "	No. 8	2							61,228
Republic Coal Co	No. 1	3							36,218
" " "	No. 2	2							4,464
" " "	No. 3	2							15,830
West Virginia Colliery Co	No. 1	4							32,241
" " "	No. 2	2							55,443
" " "	No. 3	2							65,589
Oabin Creek Consolidated C. Co	Acme	8							65,003
" " "	Keystone	2							37,872
" " "	Empire	4							15,152
" " "	Buckeye	1							49,989
" " "	Shamrock	5							
" " "	Belleclare	4							
" " "	Ruby	2							
" " "	Holly	5							

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.				Compressed Air Mine Machines.			Total No. of Machines.	Tons of coal produced by machines (Tons of 2,240 lbs.)
		Jeffrey.	Morgan-Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Hand.	Sullivan.		
Kanawha County.—Cont'd.	Cabin Creek Consolidated Co. Co.					6	2		8	68,876
	"		5						5	49,914
	"	5							5	29,720
	"	4	1						5	58,740
	"		3						3	20,796
	"	2	2						4	15,390
	"		2						2	4,884
	"		3						3	32,271
	"		3						3	47,684
	"		1						1	13,835
	"		4						4	105,551
	"		5						5	4,161
	"		5						5	59,554
	"	2	2						4	20,124
	"	3							3	33,144
Belmont Coal Co. Equitable Coal Co. Southwestern Splint Fuel Co Paint Creek Collieries Co	Seranton	5							5	68,142
	Paint Creek	5							5	55,899
	Grose No. 2	1							1	6,318
	Greenbrier No. 2	1							1	8,310
	Greenbrier No. 3	2							2	23,729
	Wacomah	3							3	7,030
	Detroit					4			4	16,089
	Morton					2			2	27,361
	Banner No. 1	2							2	90,044
	Banner No. 2	1			2				1	35,918
	Standard	3				6			6	41,878
	No. 1		3	1					4	44,468
	No. 2		3						3	25,866
	No. 3		4						4	14,046
	No. 1	3							3	5,107
Montgomery Coal Co Morris Creek Coal Co	Nos. 2 & 3	1							1	29,464
	Kanawha		1							
Totals		125	175	25	8	44	5		392	3,272,886

<i>Mason County.</i>					
Consumers C. & M. Co.					
Totals					
Camden					85,958
					35,958
Nicholas County.					
Bell Creek Coal Co.	2				10,714
The Columbus Coal Co.	1				1,786
Kentucky Coal & Lumber Co.	2				4,706
Mt. Carmel	2				7,714
Raven	2				5,807
Totals	8	7			30,726
Putnam County.					
Black Betsy C. & M. Co.			1		3,214
Totals			1		3,214
Raleigh County.					
Raleigh C. & O. Co.	5				19,691
No. 1	1				1,854
Oswald	2				1,000
Skelton					2,504
Price Hill				1	25,000
Totals	8			1	50,049
Lincoln County.					
Branchland Coal Co.					14,285
Totals					14,285
Logan County.					
The Monitor C. & C. Co.	1	1	2		69,838
The Gay C. & C. Co.		1			42,529
Draper				1	44,643
Big Creek	2				5,357
Island Creek No. 1	4	2			205,253
United States Coal & Oil Co.	5	1			224,495
Stone Branch	2				8,762
No. 1					6,697
Yuma		2			12,925
Fort Branch				3	11,487
Cora	2				6,250
Ethel				4	6,381
H. T. Wilson Coal Co.				2	3,571
Totals	16	6	3	4	648,153

NUMBER AND KINDS OF MINING MACHINES IN USE IN THE STATE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE.	Electrical Mine Machines.				Compressed Air Mine Machines.				Total No. of Machines.	Tons of coal produced by machines. (Tons of 2,240 lbs.)
		Jeffrey.	Moran Gardner.	Goodman.	Sullivan.	Harrison.	Ingersoll-Hand.	Sullivan.	Jeffrey.		
<i>Mingo County.</i>											
Pearl Coal Mining Co.	Haggerty	2									9,340
Red Jacket Cons. O. & O. Co.	Rutherford	2									54,743
"	Red Jacket	2									81,057
"	Logan	2									15,545
"	Maritime	2									41,218
Thacker O. & O. Co.	No. 2	2				11			6		28,218
"	No. 3	2									68,275
Glen Alum Coal Co.	Nos. 1 & 2	2	11		1						181,120
War Eagle Coal Co.	War Eagle	2					5				73,514
"	Papoose	2				4					62,557
"	Mephisto	2				4					75,578
"	Star	2				4					74,947
Hatfield Colliery Co.	Hatfield	2				8					30,482
Mate Creek Coal Co.	Nos. 1 & 2	2				6					28,572
Marvin Coal Co.	Marvin No. 1	2				5			2		34,554
Margaret Mining Co.	Margaret Nos. 1 & 2	2				4					60,000
Merrimac O. & O. Co.	Commercial	2				4					20,825
"	Coaling Station	2				4					32,211
Williamson O. & O. Co.	Williamson No. 1	2				8					12,888
"	Williamson No. 2	2				6					30,531
Winifrede Consolidated O. Co.	Sugar Tree	2				8					1,786
"	Howard	2				8					58,281
"	Chattahoochee	2				8					28,975
The Buffalo Collieries Co.	Buffalo	2				5					50,000
Leftwich & Taylor	Rawl No. 1	2				4					34,822
Linghocken Coal Co.	Linghocken No. 1	1									8,482
Totals		34	11		1	80	27	7	1	151	1,162,041
<i>McDowell County.</i>											
Indian Ridge O. & O. Co.	Indian Ridge	2									23,594
McDowell O. & O. Co.	McDowell	2									

* Not being used.

Company	Shares	Dividend	Interest	Profit	Loss	Other	Total
The Tidewater O. & C. Co.	2	17,183					17,183
Peerless O. & C. Co.	1	12,232					12,232
Upland O. & C. Co.	1	14,000					14,000
Big Sandy O. & C. Co.	4	13,243					13,243
Maier O. & C. Co.	4	9,231					9,231
J. B. B. Collieries Co.	2	2,352					2,352
" " " " "	2	12,585					12,585
" " " " "	5	17,423					17,423
" " " " "	4	6,014					6,014
" " " " "	2	2,794					2,794
" " " " "	2	2,794					2,794
Superior-Pocahontas O. Co.	1	1,000					1,000
Antler O. & C. Co.	5	2,549					2,549
United States O. & C. Co.	3	450					450
" " " " "	3	5,576					5,576
" " " " "	4	906					906
" " " " "	2	2,587					2,587
Mohawk O. & C. Co.	1	64,648					64,648
Welch O. & C. Co.	7	7,440					7,440
Hemphill Collieries Co.	2	13,493					13,493
Oregon Coal Co.	8	55,318					55,318
Page O. & C. Co.	4	10,000					10,000
The Middle States O. & C. Co.	4	50,000					50,000
New River & Pocahontas Cons. O. Co.	3	54,982					54,982
" " " " "	3	57,794					57,794
" " " " "	3	15,210					15,210
Dixon-Pocahontas Fuel Co.	2	2,451					2,451
Totals	94	457,909					457,909
Louisville O. & C. Co.	4	11,228					11,228
The Weyanoke O. & C. Co.	2	797					797
Spring Coal Mining Co.	7	53,133					53,133
Piedmont Colliery	7	31,886					31,886
Totals	20	97,044					97,044

• Just installed.

TABLE SHOWING THE COMPARATIVE STATEMENT OF THE COKE PRODUCTION FOR 1906 AND 1907.
(Tons of 2,000 lbs.

COUNTY.	1907	1906	Increase of 1907 over 1906	Decrease of 1907 under 1906
Marion	233,700	171,621	62,079	.....
Monongalia.....	113,031	58,264	54,767	.....
Barbour.....	34,030	12,579	21,451	.....
Harrison.....	22,890	768	21,622	.....
Taylor.....	1,747	.....	1,747	.....
Upshur.....	2,100	.....	2,100	.....
Preston.....	222,846	142,236	80,610	.....
Randolph.....	244,054	231,616	12,438	.....
Tucker.....	262,951	253,492	9,459	.....
Fayette.....	615,577	614,428	1,149	.....
Kanawha.....	18,287	31,527	.....	13,240
McDowell.....	1,744,819	1,699,426	45,393	.....
Mercer.....	313,117	318,357	.....	5,240
Totals.....	3,828,649	3,535,314	312,815	18,480

ORDER IN THE PRODUCTION OF COKE.
1897—1907.

COUNTIES.	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907
McDowell.....	1	1	1	1	1	1	1	1	1	1	1
Fayette.....	2	2	2	2	2	2	2	2	2	2	2
Tucker.....	3	3	5	4	3	3	3	3	4	4	4
Mercer.....	5	4	3	5	4	5	5	4	3	3	3
Marion.....	4	5	4	3	5	4	4	5	6	7	6
Preston.....	7	6	6	6	9	9	8	7	7	7	7
Kanawha.....	6	7	8	7	6	7	10	10	9	9	11
Randolph.....	.....	.....	.....	12	7	6	6	6	5	5	5
Monongalia.....	9	9	11	8	11	8	9	8	8	8	8
Harrison.....	.....	10	10	9	10	10	7	11	.....	11	10
Barbour.....	.....	11	9	11	8	11	11	9	10	10	9
Raleigh.....	8	8	7	10	.....	.....	.....	.....	.....	.....	.....
Upshur.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
Taylor.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13

NUMBER OF COKE OVENS NOT IN USE—1907.

COUNTY.	No. Ooke Ovens not in use.	Field in which located.
Marion.....	281	Upper Monongahela.
Monongalia.....	118	.....
Harrison.....	182	.....
Taylor.....	18	.....
Upshur.....	8	.....
Preston.....	256	.....
Tucker.....	105	Upper Potomac.
Fayette.....	822	New River.
Raleigh.....	62	.....
McDowell.....	3,678	Pocahontas.
Mercer.....	672	.....
Total.....	6,202	.....

NUMBER OF COKE OVENS NOT IN USE—1907.

NAME OF COMPANY.	NAME OF MINE.	No. coke ovens not in use.
<i>Marion County.</i>		
Fairmont Coal Co.	Murray	50
" " "	Montana	6
" " "	Shaft	36
" " "	Monongah No. 6.	127
" " "	Pennois	12
" " "	Hutchinson.	50
Total.		281
<i>Monongalia County.</i>		
Opekiska Coal & Coke Co.	Opekiska	1
Fairmont Coal Co.	Beechwood	2
Connellsville Basin Coke Co.	Connellsville	115
Total.		118
<i>Harrison County.</i>		
Fairmont Coal Co.	Gypsy	80
" " "	Meadow Brook	50
" " "	Globe	22
Fairmont & Baltimore Coal & Coke Co.	Fairmore	30
Total		182
<i>Taylor County.</i>		
Winona Coal & Coke Co.	Nos. 1 & 2.	18
Total.		18
<i>Upshur County.</i>		
Buckhannon River Coal Co.	Florence.	8
Total.		8
<i>Preston County.</i>		
Austen Coal & Coke Co.	Austin Nos. 1 & 2.	30
Hamilton Coal & Coke Co.	Newburg Shaft	96
Gorman Coal & Coke Co.	No. 1.	9
Orr Coal & Coke Co.	Vulcan	40
The Manufacturers Coal & Coke Co.	Victoria No. 2.	64
Elkins Coal & Coke Co.	Bretz	17
Total.		256
<i>Tucker County.</i>		
Days Coal & Coke Co.	Nos. 23 & 34.	4
" " "	No. 35.	9
" " "	No. 87.	82
Cumberland Coal Co.	Nos. 3 & 4.	10
Total.		105
<i>Fayette County.</i>		
Sunday Creek Co.	No. 112	50
" " "	Nos. 114 & 114x	5
" " "	No. 115	11
The Gauley Mountain Coal Co.	Nova Scotia.	2
Gaymont Colliery Co.	Gaymont.	24
Sunbury Coal & Coke Co.	Sunnyside	18
Nuttallburg Coal & Coke Co.	Nuttallburg.	85
Fire Creek Coal & Coke Co.	Fire Creek.	42
Beury Bros. Coal & Coke Co.	Echo.	50
St. Clair Colliery Co.	Eagle No. 1.	24
W. R. Johnson.	Eagle No. 1	73
The Mt. Carbon Co. Ltd.	Vulcan & South.	11
Loup Creek Colliery Co.	Ansted	24
The Low Moor Iron Co. of Va.	Kaymoor No. 1.	35
New River Collieries Co.	Red Ash No. 5.	80
" " "	Sun Nos. 1, 2 & 3.	120
Stone Cliff Coal & Coke Co.	Stone Cliff.	30
Beechwood Coal & Coke Co.	No. 1.	8
Quinnimont Coal Co.	Big Q.	33
Greenwood Coal Co.	Greenwood.	46

PRODUCTION OF COKE BY COUNTIES FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	No. of coke plants reported.	Total tons of coal used in ovens. (Tons of 2,000 lbs.)	Total tons of coke produced. (Tons of 2,000 lbs.)	Percentage of yield.	Total No. of coke ovens reported.	Total No. of coke ovens reported not in use.	Average No. of of coke ovens operated during the year.		Average No. of days ovens were operated.	No. of men employed on ovens.
							In county	Per plant.		
Marion.....	10	379,114	233,700	61.64	826	281	545	79	279	195
Monongalia.....	4	185,267	113,081	60.97	441	118	323	114	272	128
Barbour.....	3	51,649	34,030	65.88	237	.....	227	49	198	67
Harrison.....	6	38,123	22,390	58.72	262	182	80	43	225	40
Taylor.....	1	2,825	1,747	61.83	30	18	12	12	129	5
Upshur.....	1	3,763	2,100	55.80	32	8	24	24	62	8
Preston.....	8	371,523	222,846	59.96	876	256	620	136	287	216
Randolph.....	4	353,805	244,054	68.02	520	.....	520	147	269	127
Tucker.....	5	441,761	262,951	59.52	717	105	612	118	246	193
Fayette.....	23	1,033,202	615,577	57.53	3,200	822	2,378	107	253	739
Kanawha.....	1	30,200	18,237	60.55	90	.....	90	90	225	20
Raleigh.....	1	.....	.....	.....	62	62	.....	.....	.....	.....
McDowell.....	40	2,800,166	1,744,819	62.31	9,812	3,678	6,134	163	280	2,604
Mercer.....	10	532,390	313,117	58.81	1,846	672	1,174	120	278	467
Totals.....	126	6,224,888	3,823,649	61.11	18,941	6,202	12,739	103	257	4,802

PRODUCTION OF COKE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COUNTY.	NAME OF MINE.	Tons of coal used in ovens (tons of 2,000 lbs.)	Tons of coke produced (tons of 2,000 lbs.)	No. of coke ovens reported.	Average No. ovens used per plant.	Average No. days ovens were operated.
<i>Marion County.</i>						
Fairmont Coal Co.	Murray	26,258	15,754	98	46	215
"	Montana	117,516	70,509	150	144	305
"	Shaft			38		
"	Monongah No. 6	46,715	30,515	227	100	240
"	Monongah No. 8	72,797	43,376	98	98	260
"	Pennols			12		
"	Hutchinson			50		
The Virginia & Pittsburg Coal & Coke Co.	King	37,328	24,596	67	67	300
Georges Creek Coal & Iron Co.	Chatham No. 1	44,097	26,248	50	50	315
Federal Coal & Coke Co.	Federal No. 1	34,403	22,702	40	40	237
Totals		379,114	233,700	826	79	279
<i>Monongalia County.</i>						
Opekiska Coal & Coke Co.	Opekiska	11,726	6,622	20	19	
Fairmont Coal Co.	Beechwood	19,965	11,979	46	44	147
Elkins Coal & Coke Co.	Richard	100,488	59,860	150	150	315
Connellsville Basin Coke Co.	Connellsville	53,188	34,570	225	110	265
Totals		185,367	113,031	441	114	272
<i>Barbour County.</i>						
Davis Colliery Co.	No. 4	23,166	16,205	51	51	283
Philippi Collieries Co.	No. 5	16,598	11,100	50	50	
Miller Coal & Coke Co.	Sara	885	625	25	25	25
Midland Coal & Coke Co.	Midland	11,000	6,200	101	101	1
Totals		51,649	34,030	227	49	198
<i>Harrison County.</i>						
Fairmont Coal Co.	Enterprise	25,959	15,575	60	60	240
"	Gypsy			80		
"	Meadowbrook			50		
"	Globe			22		
Fairmont & Balto. C. & O. Co.	Fairmore			30		
Hutchinson Fuel & Supply Co.	Hutchinson	12,164	6,815	20	20	180
Totals		38,123	22,890	262	48	225

<i>Taylor County.</i>		Nos. 1 & 2.	2,825	1,747	30	12	129
Winona Coal & Coke Co.							
Totals			2,825	1,747	30	12	129
<i>Upshur County.</i>		Florence	3,763	2,100	32	24	62
Buckhannon River Coal Co.							
Totals			3,763	2,100	32	24	62
<i>Preston County.</i>		Austen No. 1.	91,468	88,861	250	220	297
Austen Coal & Coke Co.		No. 2.	45,300				
Hamilton Coal & Coke Co.		Newburg Shaft.			96		
Gorman Coal & Coke Co.		No. 1.			9		
Oakland Coal & Coke Co.		No. 2.	22,603	13,453	40	40	246
Orr Coal & Coke Co.		Corinth	13,714	7,346	50	50	250
The Manufacturer's Coal & Coke Co.		Vulcan	52,503	30,925	100	60	200
Elkins Coal & Coke Co.		Victoria No. 2.			64		
		Bretz	145,935	82,281	267	250	315
Totals			371,523	222,846	876	136	287
<i>Randolph County.</i>		No. 1.	132,076	92,420	200	200	283
Davis Colliery Co.		No. 3.	48,520	34,950	85	85	287
Davis Coal & Coke Co.		No. 1.	117,139	76,697	150	150	
		No. 2.	61,070	39,987	85	85	
Totals			358,805	244,054	520	147	269
<i>Tucker County.</i>		No. 23	52,725	31,384			
Davis Coal & Coke Co.		No. 34	37,415	22,270	114	110	293
"		No. 35	46,612	27,745	59	50	292
"		No. 36	90,923	54,120	147	147	292
"		No. 37	128,760	76,643	252	170	292
Cumberland Coal Co.		Nos. 3 & 4	85,826	50,789	145	135	200
Totals			441,761	282,951	717	118	246
<i>Fayette County.</i>		No. 111	12,263	6,677	102	102	45
Sunday Creek Co.		No. 112			50		
"		Nos. 114 & 114X	81,607	52,069	115	110	253
"		No. 115	111,330	71,591	166	155	25
The Columbus Iron & Steel Co.		No. 1.	48,158	32,147	84	84	30
The Gauley Mountain Coal Co.		Nova Scotia	66,028	38,032	152	160	36

PRODUCTION OF COKE FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF COMPANY.	NAME OF MINE	Tons of coal used in ovens (tons of 2,000 lbs.)	Tons of coke produced (tons of 2,000 lbs.)	No. of coke ovens reported.	Average No. ovens used per plant.	Average No. days ovens were operated.
Fayette—Cont'd.	Fayette	2,822	1,700	12	12	140
	Gaymont			24		
	Sunnyvale			18		
	Nuttallburg			85		
	Fire Creek	14,704	8,540	98	56	228
	Echo			50		
	Eagle No. 1	29,241	17,021	84	60	304
	No. 1 and Eagle	34,215	20,045	79	79	260
	Eagle No. 1	9,935	6,027	110	37	170
	No. 2 Gas	1,247				
	Vulcan & South	84,004	50,558	202	191	312
	Brewster	26,597	15,632	69	69	290
	Rhinolas	279				
	Eagle & Ansted	220,657	134,561	505	481	310
	Elvinton	5,494	2,874	39	39	90
	Kay Moor No. 1.	65,632	39,877	145	110	280
	Brooklyn No. 5	19,456	11,582	64	64	365
	Red Ash No. 5			80		
	Rush Run No. 4	20,101	11,904	92	92	365
	Sun Nos. 1, 2 & 3			120		
Stone Cliff Coal & Coke Co.	Stone Cliff	7,268	4,215	50	30	200
	No. 1	5,762	3,400	31	29	190
	Big Q	14,764	8,239	98	65	175
	Greenwood			46		
	Harvey	38,798	20,784	100	90	246
	Collins Nos. 1 & 2	44,432	23,903	100	79	313
	Macdonald	38,726	22,424	120	120	
	Turkey Knob	19,162	11,054	100	90	300
	Totals	1,094,202	615,477	3,200	107	253
Cannelton Coal Co.	No. 2	30,300	18,267	90	90	226
	Totals	30,300	18,267	90	90	226
Raleigh Coal & Coke Co.	No. 3			62		
	Totals			62		

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS, BY COUNTIES, FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	EMPLOYEES.										SUM TOTAL.		
	No. of Mines Producing Coal.	Avg. No. of Days Mines Were Operated.	No. of Coke Plants Operated.	Avg. No. of Days Ovens Were Operated.	INSIDE.				OUTSIDE.				
					Pick Miners.	Ma- chine Miners.	Ma- chine Runners and Helpers.	Labor- ers.	Total.	Labor- ers.		Coke Work- ers.	Total.
Brooke.....	6	272	.....	.....	166	273	52	85	576	75	.....	75	651
Hancock.....	3	276	.....	.....	15	35	8	15	73	21	.....	21	94
Marion.....	23	239	7	279	965	839	243	907	2,954	660	195	855	3,809
Monongalia.....	9	282	3	272	142	126	22	78	368	57	128	185	553
Marshall.....	6	240	.....	.....	109	301	46	97	553	79	.....	79	632
Ohio.....	9	243	.....	.....	77	82	10	118	287	28	.....	28	315
Barbour.....	17	262	3	49	235	289	67	250	841	175	67	242	1,083
Gilmer.....	1	.....	.....	.....	8	.....	.....	2	5	2	.....	2	7
Harrison.....	42	233	2	225	583	1,141	309	817	2,850	549	40	599	3,439
Lewis.....	1	162	.....	.....	14	.....	.....	3	17	4	.....	4	21
Taylor.....	9	203	1	129	265	56	7	88	416	93	5	98	514
Upshur.....	4	218	1	62	37	16	6	18	77	28	8	36	113
Grant.....	2	257	.....	.....	85	80	28	51	244	41	.....	41	285
Mineral.....	16	252	.....	.....	535	25	4	94	653	95	.....	95	753
Preston.....	19	273	5	287	551	354	82	309	1,296	169	216	385	1,681
Randolph.....	6	272	2	269	317	5	2	95	419	70	127	197	616
Tucker.....	11	285	5	246	593	115	24	262	994	122	193	315	1,309
Braxton.....	2	234	.....	.....	51	.....	.....	15	66	10	.....	10	76
Clay.....	4	204	.....	.....	58	20	6	21	105	25	.....	25	130
Fayette.....	132	225	24	253	4,900	1,446	393	2,632	9,346	1,420	739	2,159	11,505
Kanawha.....	130	205	1	225	1,295	2,608	614	1,693	6,210	1,944	20	964	7,174
Mason.....	6	203	.....	.....	148	40	12	25	225	81	.....	81	256
Nicholas.....	8	168	.....	.....	65	51	14	28	158	35	.....	35	193
Putnam.....	10	280	.....	.....	525	.....	2	284	811	189	.....	189	1,000
Greenbrier.....	1	259	.....	.....	20	.....	.....	5	25	5	.....	5	30
Raleigh.....	27	216	.....	.....	1,020	38	12	427	1,497	221	.....	221	1,718
Lincoln.....	2	288	.....	.....	4	15	8	5	32	7	.....	7	39
Logan.....	17	204	.....	.....	128	482	104	233	947	133	.....	133	1,080
Mingo.....	42	217	.....	.....	615	784	259	641	2,309	325	.....	325	2,624
Wayne.....	1	285	.....	.....	29	.....	.....	6	35	2	.....	2	37
McDowell.....	87	246	39	280	4,657	420	175	2,705	7,967	1,371	2,604	3,975	11,942
Mercer.....	24	263	10	278	1,070	93	30	603	1,796	323	467	790	2,586
Totals.	674	234	103	257	19,287	9,734	2,514	12,612	44,147	7,309	4,809	12,118	56,265
Totals for 1906...	622	231	102	254	19,132	8,712	2,143	10,373	40,865	6,531	4,373	10,904	51,769

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										Ave. No. of days mines were operated.	Ave. No. of days ovens were operated.	Ave. No. Ovens in operation per plant.	No. of Horses & Mules inside.
		INSIDE.					OUTSIDE.								
		Pick Min- ers.	Ma- chine Min- ers.	Machine Runners and Helpers.	Labor- ers.	Total	Labor- ers.	Coke Work- ers.	Total	SUM TOTAL.					
Gilchrist..... Lewis No. 1..... Beech Bottom No. 1..... Locust Grove..... La Belle Shaft..... No. 1.....	Brooke County. A. Gilchrist & Sons' Coal Co. The LaBelle Coal Co. Beech Bottom Coal Co. Lewis-Flindley Coal Co. La Belle Iron Works..... Rex Carbon Coal Co.....	50 37 75 4	..... 40 38 70 70 60	..... 6 6 14 18 8	..... ..... ..... ..... ..... 8	55 54 86 189 104 88	6 6 9 85 7 12	..... ..... ..... ..... ..... ..... .....	61 60 95 224 111 100	295 280 234 311 281 196	..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... .....	7 5 2 15 7	
Totals.....		166	273	52	85	576	75	.....	651	272	.....	.....	.....	.....	36
Porter No. 1..... No. 4..... No. 5.....	Hancock County. M. M. Oullen..... The Marquet Coal Co.....	6 2 7	..... 35 .....	..... 8	2 9 4	8 54 11	7 13 1	..... ..... .....	15 67 12	300 280 240	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	2 5 2
Totals.....		15	85	8	15	73	21	.....	94	276	.....	.....	.....	.....	9
Murray..... Montana..... Shaft..... New England..... Gaston..... Monongah Nos. 2, 3 & 5 No. 6..... No. 8..... Pennols..... Marion..... Anderson..... Highland..... Middleton..... Chleifton..... Hutchinson..... King..... Chatham..... Federal No. 1..... Stafford..... Kilarm.....	Marion County. Fairmont Coal Co..... The Va. & Pitts. O. & O. Co. Georges Creek O. & I. Co. Federal Coal & Coke Co. New Central Coal Co..... Kilarm Coal & Coke Co.....	25 34 55 60 15 52 52 76 77 8 60 100 25 32 20 145 80 30 1 3	19 42 70 80 65 50 62 44 25 18 42 53 25 135 45 40 24	12 12 18 20 15 12 14 14 4 4 8 12 4 45 20 25 4	20 60 70 60 40 60 70 80 40 2 50 65 34 42 12 12 46 70 35 28 20	76 148 213 220 185 174 198 214 117 5 139 187 109 139 61 191 330 130 94 51	17 60 34 30 17 2 30 27 23 21 10 17 25 12	113 260 263 305 170 274 262 284 134 7 169 214 132 160 71 240 380 155 112 67	269 262 215 229 212 202 237 227 227 173 241 203 238 242 116 300 315 287 271	46 144 100 98 67 50 40	11 38 33 20 18 21 24 16 18 7 18 27 13 12 6				

Parker Run Coal & Coke Co.									
Parker Run.....	20	.....	.....	.....	8	28	4	.....	27
Totals	965	899	243	907	2,954	660	196	855	3,809
<i>Monongalia County.</i>									
Opekiska.....	17	.....	.....	11	28	6	6	11	39
Beechwood.....	20	25	6	14	65	12	17	29	94
Richard.....	60	30	4	14	108	11	60	71	79
Sabraton.....	10	30	4	6	50	9	.....	9	59
Connellsville.....	30	41	8	32	111	18	45	63	174
Great Scott.....	5	.....	.....	1	6	2	.....	2	8
Totals	142	126	22	78	368	57	128	185	553
<i>Marshall County.</i>									
Hitchman.....	.....	170	24	30	224	26	.....	26	250
Boggs Run.....	45	.....	.....	13	58	7	.....	7	65
Benwood.....	10	60	10	21	101	16	.....	16	116
Glendale.....	.....	50	8	15	78	12	.....	12	85
Mound City Shaft.....	12	21	4	12	49	7	.....	7	56
Glen Easton.....	42	.....	.....	6	48	12	.....	12	60
Totals	109	301	46	97	553	79	.....	79	632
<i>Ohio County.</i>									
Central.....	2	.....	.....	.....	2	1	.....	1	3
Richland.....	4	60	8	78	150	11	.....	11	161
Elm Grove.....	11	22	2	4	39	4	.....	4	43
Manchester.....	7	.....	.....	8	10	1	.....	1	11
Wheeling Steam.....	20	.....	.....	24	44	4	.....	4	48
La Belle Drift.....	4	.....	.....	8	7	.....	.....	.....	7
Carter.....	18	.....	.....	6	24	6	.....	6	30
Oreighton.....	6	.....	.....	.....	6	1	.....	1	7
Storch.....	5	.....	.....	.....	5	.....	.....	.....	5
Totals	77	88	10	118	287	28	.....	28	315
<i>Barbour County.</i>									
No. 4.....	57	.....	.....	16	78	10	10	20	93
Nos. 1, 2, 3 and 4.....	.....	50	10	20	80	20	.....	20	100
No. 5.....	.....	20	2	6	28	25	20	45	78
Arden.....	.....	24	6	12	42	8	.....	8	50
Berryburg.....	27	77	18	103	235	48	.....	48	278
Laurel Creek.....	15	.....	.....	5	20	2	.....	2	22
Century No. 1.....	67	68	18	49	202	23	.....	23	225
Century No. 2.....	10	.....	.....	3	18	.....	.....	.....	18
Lillian.....	12	14	6	5	36	4	.....	4	40
Adma.....	20	.....	.....	2	22	4	.....	4	26
No. 3.....	15	.....	.....	5	20	1	.....	1	21
No. 4.....	.....	4	2	6	12	2	.....	2	14

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										SUM TOTAL.	AVG. No. of days mines were operated.	AVG. No. of days ovens were operated.	AVG. No. of ovens in operation per plant.	No. of horses & mules inside.
		INSIDE.					OUTSIDE.									
		Pick Mi- ners.	Ma- chine Mi- ners.	Machine Runners and Helpers.	Labor- ers.	Total.	Labor- ers.	Coke Work- ers.	Total.							
Sara	Barbour County.—Cont'd.	2	10	2	3	17	12	7	19	86	270	25	25	1	1	1
Midland	Miller Coal & Coke Co.	10	22	4	15	51	16	30	46	97	300	110	101	4	4	4
Totals	Midland Coal & Coke Co.	235	239	67	250	841	175	67	242	1,083	262	49	198	106	106	106
Gilmer No. 1.	Gilmer County.	3	.....	.....	2	5	2	.....	2	7	.....	.....	.....	.....	.....	1
Totals	The Cosmopolitan C. & C. Co.	3	.....	.....	2	5	2	.....	2	7	.....	.....	.....	.....	.....	1
Pinnickinnick	Harrison County.	25	127	16	48	226	31	.....	31	257	259	.....	.....	25	25	25
Fall Run.....	Clarksburg Fuel Co.	2	29	8	22	61	12	.....	12	73	230	.....	.....	13	13	13
Dixie	"	12	.....	.....	6	18	8	.....	8	21	220	.....	.....	3	3	3
Two Lick.....	"	12	42	8	18	80	15	.....	15	95	237	.....	.....	8	8	8
Interstate .....	"	.....	40	16	18	74	14	.....	14	88	249	.....	.....	10	10	10
O'Neill .....	"	.....	40	20	30	80	18	.....	18	98	247	.....	.....	14	14	14
Enterprise.....	Fairmont Coal Co.	33	41	14	48	141	33	23	61	202	223	240	60	.....	.....	.....
Viropa	"	4	30	6	28	68	11	.....	11	79	204	.....	.....	15	15	15
Ehlen	"	11	40	10	30	91	22	.....	22	113	223	.....	.....	17	17	17
Solon	"	7	24	8	22	61	16	.....	16	77	190	.....	.....	12	12	12
Gypsy	"	8	50	24	53	135	44	.....	44	179	239	.....	.....	16	16	16
Meadowbrook	"	14	29	4	74	121	20	.....	20	141	220	.....	.....	10	10	10
Globe.....	"	1	17	4	18	40	18	.....	18	53	216	.....	.....	11	11	11
Dunham	"	5	30	6	15	56	15	.....	15	71	224	.....	.....	12	12	12
Lynch	"	6	13	2	9	30	4	.....	4	84	246	.....	.....	5	5	5
West Fork	"	7	.....	.....	5	12	2	.....	2	14	144	.....	.....	2	2	2
Reynoldsville	"	18	.....	.....	8	26	5	.....	5	81	236	.....	.....	5	5	5
Columbia	"	26	23	10	30	94	24	.....	24	118	261	.....	.....	16	16	16
Ocean	"	31	30	12	33	103	23	.....	23	129	246	.....	.....	15	15	15
Riverdale	"	7	18	3	11	39	15	.....	15	39	212	.....	.....	8	8	8
Perry.....	Pittsburg & Fairmont F. Co.	23	40	14	24	101	15	.....	15	116	256	.....	.....	10	10	10
Coaling Station.....	"	11	21	8	10	50	7	.....	7	57	256	.....	.....	7	7	7

Pooz	16	28	10	30	84	17	17	101	257	.....	.....	.....	16
Lucas	8	30	8	14	55	7	7	62	250	.....	.....	.....	16
Fairmore	60	.....	.....	22	82	9	9	91	175	.....	.....	.....	14
Girard No. 1	7	30	6	20	63	13	13	76	.....	.....	.....	.....	8
Erie .....	.....	35	12	12	59	11	11	70	185	.....	.....	.....	8
Waldo	20	80	22	32	154	22	22	178	245	.....	.....	.....	20
Goff	20	.....	.....	3	23	3	3	23	258	.....	.....	.....	2
New Chieftain & Randolph	2	38	12	25	77	20	20	97	175	.....	.....	.....	10
Cook	15	.....	.....	4	19	.....	.....	19	100	.....	.....	.....	5
Rosebud .....	.....	17	.....	4	21	5	5	26	.....	.....	.....	.....	3
Hutchinson .....	.....	30	8	10	48	10	10	70	220	180	20	.....	6
Phoenix .....	.....	32	10	15	57	12	12	69	215	.....	.....	.....	6
O'Garra	12	33	10	20	74	15	15	89	246	.....	.....	.....	10
Marshall	8	30	10	18	66	12	12	78	191	.....	.....	.....	10
Pitcairn	20	50	6	18	94	19	19	113	184	.....	.....	.....	10
Harold	22	10	2	6	40	8	8	48	170	.....	.....	.....	2
Girard No. 2	40	.....	.....	15	55	10	10	65	.....	.....	.....	.....	10
National	25	.....	.....	2	27	.....	.....	37	175	.....	.....	.....	3
Dola	3	.....	.....	.....	3	.....	.....	3	.....	.....	.....	.....	.....
Moore	25	.....	.....	5	30	5	5	35	240	.....	.....	.....	4
Naomi	7	.....	.....	2	9	4	4	13	.....	.....	.....	.....	1
Totals	583	1,141	309	817	2,850	549	40	3,439	233	225	43	237	.....
<i>Lewis County.</i>													
Sarah B.	14	.....	.....	3	17	4	.....	21	162	.....	.....	.....	1
Totals	14	.....	.....	3	17	4	.....	21	162	.....	.....	.....	1
<i>Taylor County.</i>													
Sand Lick	50	.....	.....	12	62	8	.....	70	225	.....	.....	.....	10
Flemington	30	30	3	19	82	26	.....	108	200	.....	.....	.....	10
Brydon	10	.....	.....	2	12	2	.....	14	238	.....	.....	.....	3
T. B. Davis	30	.....	.....	7	37	9	.....	46	240	.....	.....	.....	4
No. 41	60	.....	.....	19	79	16	.....	95	208	.....	.....	.....	.....
Rosemont	65	.....	.....	14	79	11	.....	90	217	.....	.....	.....	8
Wendel	5	26	4	8	43	18	.....	61	160	.....	.....	.....	6
Ocell .....	.....	.....	.....	5	5	.....	.....	5	.....	.....	.....	.....	1
The Ocell Coal & Coke Co.	12	.....	.....	2	14	3	5	22	156	129	12	.....	4
Winona No. 1	3	.....	.....	.....	3	.....	.....	3	120	.....	.....	.....	1
No. 2 .....	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....
Totals	285	56	7	88	416	98	5	514	203	129	13	47	.....
<i>Upshur County.</i>													
Penco	23	.....	.....	6	29	14	.....	43	175	.....	.....	.....	.....
Nos. 1 & 2	3	16	6	9	38	12	.....	45	310	.....	.....	.....	.....
Florence	12	.....	.....	3	15	2	8	25	99	62	24	.....	3
Buckhannon River Coal Co. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	37	16	6	18	77	28	8	113	218	63	24	2	.....

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										Ave. No. of days mines were operated.	Ave. No. of days ovens were operated.	Ave. No. of ovens in operation per plant.	No. of Horses & Mules inside.
		INSIDE.					OUTSIDE.								
		Pick Min- ers.	Ma- chine Min- ers.	Machine Runners and Helpers.	Labor- ers.	Total	Labor- ers.	Coke Work- ers.	Total.	SUM TOTAL					
No. 22	Grant County.		80	28	40	148	85		85	183				17	
Buffalo Creek	Davis Coal & Coke Co.	85			11	96	6		6	102	257			10	
Totals.	Buffalo Creek Cumberland Coal Co.	85	80	28	51	244	41		41	285	257			27	
No. 14	Mineral County.	17			6	23	5		5	28	255			4	
No. 20	Davis Coal & Coke Co.	60			12	72	7		7	79	232			10	
No. 9	"	128			10	138	15		15	151	240			11	
No. 6	"	30			4	34	4		4	38	263			5	
No. 19	"	16			5	21	9		9	30				5	
No. 50	"	26			5	31	4		4	35				3	
No. 51	"	36			8	44	4		4	48				4	
Smith	Smith Coal Co.	40			7	47	7		7	54				6	
Virginia	Piedmont & Potomac O. Co.	24			8	32	1		1	33	280			5	
Big Vein	The Big Vein Coal Co. of W. Va.	36			3	39	16		16	55	240				
Taylor	Taylor Coal Co.	6				6				6				2	
Hampshire	Masteller Coal Co.	49			7	56	4		4	60	250			5	
New Creek	"	18			3	21	8		8	24	205			2	
Oakmont	Abrams Creek Coal & Coke Co.	5	25	4	8	42	6		6	48	297			5	
Gleason	Gleason Coal & Coke Co.	30			6	36	6		6	42	300			4	
Sara	Glade Run Coal & Coke Co.	14			2	18	4		4	22	230			2	
Totals.		535	25	4	94	658	95		95	753	252			73	
Austen No. 1	Preston County.	50	12	4	25	91	8	65	73	164	230	297	220	12	
No. 2	Austen Coal & Coke Co.	40	18	6	26	90	5		5	95	235			8	
Newburg Shaft	Hamilton Coal & Coke Co.	15	20	6	12	53	6		6	59	275			18	
No. 1	Gorman Coal & Coke Co.	16			2	17	1		1	18	221	246	40	4	
No. 2	"	8	7	6	6	27	7	12	19	46	284			4	
No. 4	"	17			4	21	8		8	24	284			3	

Irona No. 1 and 2	62	51	10	31	144	30	104	244	250	15
Merchant's No. 2	40	70	16	57	103	32	215	307	250	18
Corinth	26	..	..	10	45	10	70	275	..	7
Howesville	10	44	10	16	80	9	89	240	..	14
Dixie	28	..	..	6	34	3	86	280	..	6
Vulcan	40	12	4	20	74	6	117	280	200	15
Victoria No. 2	40	..	..	7	47	4	51	200	..	4
Shrader	50	..	..	14	64	11	76	167	..	6
Atlantic	7	45	8	34	94	21	115	280	..	9
Brets	90	35	6	20	161	14	204	315	315	..
Elkins Coal & Coke Co.	10	40	6	6	62	9	71	315	..	..
Kingwood	4	..	..	1	5	1	6	75	..	1
Preston County Coke Co.	..	..	..	..	..	..	..	..	..	..
Totals	551	354	83	309	1,295	100	1,031	278	237	142
<i>Randolph County.</i>										
Davis Colliery Co.	120	..	..	35	155	28	219	250	233	19
Davis Coal & Coke Co.	61	..	..	18	98	20	135	237	85	9
..	46	..	..	13	79	14	133	..	150	11
..	..	..	..	5	64	6	96	..	85	5
W. H. Green	10	6	3	1	12	5	17	..	..	2
Klondyke	..	..	..	..	11	2	13	..	..	2
Totals	317	5	3	66	410	70	610	272	289	48
<i>Tucker County.</i>										
Davis Coal & Coke Co.	155	56	6	39	194	26	230	280	..	20
..	44	..	..	25	184	12	146	237	..	10
..	81	..	..	6	57	3	40	249	..	4
..	92	..	..	47	139	10	188	254	232	12
..	31	..	..	13	44	9	67	239	50	7
..	84	..	..	38	132	15	194	232	137	14
..	67	4	2	39	112	14	136	234	200	15
Cumberland Coal Co.	40	16	6	22	83	16	187	240	135	13
..	4	40	10	13	72	8	80	240	..	7
Beacon Coal & Coke Co.	35	..	..	12	47	9	56	200	..	7
Totals	593	115	24	202	994	122	1,309	265	245	108
<i>Braxton County.</i>										
Davis Colliery Co.	25	..	..	8	34	4	38	227	..	8
..	25	..	..	7	33	6	38	242	..	4
Totals	51	..	..	15	68	10	76	234	..	12
<i>Clay County.</i>										
Dorfee Coal Mining Co.	..	20	6	10	35	10	45	195	..	14
Carter Coal Co.	25	..	..	5	30	6	35	200	..	8
Ganley Consolidated	13	..	..	6	24	7	31	160	..	4
Dundon No. 1	15	..	..	..	15	3	13	200	..	3
Totals	53	20	6	21	105	26	130	204	..	24

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYES.						SUM Total.	AVG. No. of days mines were operated.	AVG. No. of days ovens were operated.	AVG. No. of ovens in operation per plant.	No. of horses & mules inside.
		INSIDE.			OUTSIDE.							
		Pick Mi- ners.	Ma- chine Mi- ners.	Machine Runners and Helpers.	Labor- ers.	Total.	Labor- ers.						Coke Work- ers.	Total.
No. 111.....	Fayette County. Sunday Creek Co.....	.....	60	8	24	92	22	85	57	45	102	20
No. 112.....	" " " " " "	.....	35	6	30	71	24	.....	24	42	.....	5
Nos. 114 & 114X.....	" " " " " "	10	86	10	60	166	30	55	85	253	110	24
No. 115.....	" " " " " "	.....	100	14	65	179	25	65	90	253	155	15
No. 117.....	" " " " " "	30	.....	.....	23	53	10	.....	10	.....	.....	7
No. 1.....	The Columbus Iron & Steel Co	15	46	14	26	101	22	24	46	305	64	26
Kanawha Gas.....	Kanawha Gas Coal Co.....	30	20	6	30	86	18	.....	18	210	.....	11
Oakland.....	W. R. Johnson & Co.....	.....	12	8	35	85	15	.....	15	207	.....	10
No. 1.....	Boomer Coal & Coke Co.....	28	70	10	41	147	15	.....	15	127	.....	14
No. 2 North Side.....	" " " " " "	59	99	10	48	216	14	.....	14	262	.....	15
No. 2 South Side.....	" " " " " "	59	99	10	48	216	14	.....	14	262	.....	13
No. 3.....	" " " " " "	.....	107	14	62	183	40	.....	40	251	.....	14
Nova Scotia.....	The Gauley Mountain O. Co.	75	75	20	100	270	40	35	75	385	150	53
Pine Top.....	Oroft & Evans.....	15	.....	.....	2	17	4	.....	4	280	.....	3
Cliff Top No. 1.....	Moseley & Walker.....	30	.....	.....	10	40	5	.....	5	250	.....	4
" " 2.....	" " " " " "	8	.....	.....	1	4	1	.....	1	250	.....	1
" " 8.....	" " " " " "	15	2	2	4	23	3	.....	3	125	.....	2
Gaymont.....	Gaymont Colliery Co.....	10	.....	.....	4	14	2	.....	2	200	.....	3
Elmo.....	Beury-New River Coal Co.....	.....	15	4	10	19	4	.....	4	200	.....	4
Sunnyside.....	Sunbury Coal & Coke Co.....	.....	5	2	2	9	2	.....	2	75	.....	2
Big Bend.....	Big Bend Coal Co.....	15	.....	.....	3	18	4	.....	4	250	.....	5
Michigan.....	Michigan Coal Co.....	30	4	2	10	46	4	.....	4	220	.....	10
Fayette.....	The Fayette Coal & Coke Co	25	.....	.....	35	60	5	5	10	140	12	7
Newlyn.....	M'f'gs. & Consumers O. Co	50	.....	.....	15	65	8	.....	8	216	.....	8
Nuttallburg.....	Nuttallburg Coal & Coke Co.	30	20	2	13	65	7	.....	7	208	.....	13
Keeneys Creek.....	.....	23	.....	.....	10	35	5	.....	5	229	.....	12
Ballinger No. 1.....	Ballinger Coal Co.....	67	.....	.....	19	86	6	.....	6	217	.....	15
Ballinger No. 2.....	.....	8	.....	.....	1	4	.....	.....	.....	247	.....	1
Blume.....	Blume Coal & Coke Co.....	65	.....	.....	19	84	6	.....	6	240	.....	14
Lookout.....	Lookout Coal & Coke Co.....	.....	.....	.....	10	10	2	.....	2	.....	.....	2
Smokeless.....	Keeneys Creek Colliery Co.	73	.....	.....	15	90	7	.....	7	220	.....	8
Boone.....	.....	50	.....	.....	12	62	4	.....	4	240	.....	9
Dubree.....	Rothwell Coal Co.....	13	15	4	10	41	6	.....	6	195	.....	4

Kohinoor	Penn. & New River Coal Co.	20	.....	.....	7	27	4	.....	15	4	.....	31	261	.....	.....	8
Fire Creek	Fire Creek Coal & Coke Co.	30	.....	.....	15	45	5	.....	.....	20	.....	65	208	228	56	10
Echo	Beury Bros. Coal & Coke Co.	60	.....	.....	12	72	6	.....	.....	6	.....	78	240	.....	.....	9
Gamoca	Gamoca Coal Co.	70	.....	.....	25	95	10	.....	.....	10	.....	105	189	.....	.....	16
Deltz No. 2	Deltz Colliery Co.	25	.....	.....	7	32	7	.....	.....	7	.....	39	250	.....	.....	3
" No. 5	"	30	.....	.....	5	35	4	.....	.....	4	.....	39	250	.....	.....	6
Lynchburg No. 2	Lynchburg Colliery Co.	54	.....	.....	15	65	5	.....	.....	5	.....	70	.....	.....	.....	12
Hickory Camp	Paint Creek Collieries Co.	16	.....	4	12	62	7	.....	.....	7	.....	69	245	.....	.....	7
Eureka Gas No. 13	Eureka Colliery Co.	31	.....	.....	16	49	9	.....	.....	9	.....	58	200	.....	.....	9
Eureka Splint No. 14	"	30	.....	2	13	51	8	.....	.....	8	.....	59	190	804	60	7
Eagle No. 1	St. Clair Colliery Co.	40	.....	.....	9	49	4	.....	28	27	.....	76	273	.....	.....	9
Mecca No. 2	Mecca Coal & Coke Co.	50	.....	10	8	72	6	.....	.....	6	.....	78	.....	.....	.....	8
Mecca No. 5	"	35	.....	.....	8	43	8	.....	.....	8	.....	51	.....	.....	.....	10
Nos. 2 & 3	The Carver Bros. Co.	40	.....	.....	17	57	5	.....	.....	5	.....	62	199	.....	.....	14
No. 1 & Eagle	"	40	.....	.....	12	52	7	.....	15	22	.....	74	220	280	79	8
No. 5	"	10	.....	.....	5	16	4	.....	.....	4	.....	20	225	.....	.....	6
Diamond	"	10	.....	20	7	41	10	.....	.....	10	.....	51	238	.....	.....	9
Eagle No. 1	W. R. Johnson	15	.....	.....	8	23	8	.....	16	19	.....	43	225	170	37	6
No. 2 Gas	"	8	.....	.....	8	11	2	.....	.....	2	.....	13	120	.....	.....	2
No. 5 Splint	"	30	.....	.....	14	44	12	.....	.....	12	.....	55	200	.....	.....	15
Vulcan & South	The Mt. Carbon Co. Ltd.	65	.....	11	45	128	17	.....	61	78	.....	206	230	312	191	15
Brewster	Great Kanawha Colliery Co.	15	.....	6	8	33	16	.....	15	31	.....	64	289	290	69	4
Edwards	"	10	.....	8	6	26	4	.....	.....	4	.....	30	275	.....	.....	8
Kimberly	Cardiff Coal Co.	10	.....	30	10	60	10	.....	.....	10	.....	70	210	.....	.....	10
Columbia	"	20	.....	18	5	47	6	.....	.....	6	.....	53	200	.....	.....	10
Elk Ridge Nos. 1 & 2	"	35	.....	40	12	93	15	.....	.....	15	.....	103	215	.....	.....	12
Eagle & Ansted	Loup Creek Colliery Co.	190	.....	.....	47	237	58	.....	130	188	.....	425	310	310	481	38
Marrs Branch	Marrs Branch Coal Co.	15	.....	.....	5	20	2	.....	.....	2	.....	22	175	.....	.....	4
Ft. Defiance	Ft. Defiance Coal & Coke Co.	32	.....	.....	3	35	2	.....	.....	2	.....	37	15	.....	.....	2
South Side	South Side Co.	40	.....	2	8	54	5	.....	.....	5	.....	59	112	.....	.....	7
Elverton	The Goshen Iron Co.	60	.....	5	30	105	15	.....	10	25	.....	130	220	90	89	14
Kaymoor No. 1	The Low Moor Iron Co. of Va.	40	.....	48	16	139	40	.....	40	80	.....	219	180	260	110	18
" No. 2	"	30	.....	.....	8	38	4	.....	.....	4	.....	42	180	.....	.....	12
Brown	Brown Coal Co.	40	.....	.....	15	55	10	.....	.....	10	.....	65	248	.....	.....	18
Bachman	New River Valley Coal Co.	6	.....	.....	2	8	1	.....	.....	1	.....	9	90	.....	.....	4
Cunard No. 7	New River Collieries Co.	20	.....	.....	17	37	6	.....	.....	6	.....	43	169	.....	.....	8
Brooklyn No. 6	"	20	.....	18	20	58	10	.....	7	17	.....	75	188	365	64	16
Red Ash No. 5	"	52	.....	.....	60	112	33	.....	.....	33	.....	145	184	885	92	22
Rush Run No. 4	"	39	.....	.....	35	74	17	.....	15	82	.....	106	185	.....	.....	25
Sun Nos. 1, 2 and 3	"	133	.....	.....	103	236	55	.....	.....	55	.....	291	182	.....	.....	.....
Thurmond No. 1	The Thurmond Coal Co.	53	.....	.....	12	65	10	.....	.....	10	.....	75	210	.....	.....	7
" No. 2	"	30	.....	.....	4	34	8	.....	.....	8	.....	37	204	.....	.....	5
Stone Cliff	Stone Cliff Coal & Coke Co.	50	.....	.....	15	65	8	.....	15	23	.....	88	275	200	30	10
No. 1	Beechwood Coal & Coke Co.	60	.....	.....	15	75	7	.....	4	11	.....	86	212	190	23	9
No. 2	"	23	.....	.....	7	30	6	.....	.....	6	.....	36	219	.....	.....	5
Alaska	Alaska Coal & Coke Co.	35	.....	.....	8	43	8	.....	.....	8	.....	51	235	.....	.....	10
Ridgeview	Ridgeview Coal Co.	15	.....	.....	4	19	6	.....	.....	6	.....	25	230	.....	.....	6
Buffalo	Ephraim Creek C. & C. Co.	90	.....	8	32	156	21	.....	.....	21	.....	177	204	.....	.....	5
Big Q	Quinnimont Coal Co.	45	12	57	12	5	19	74	245	175	65	12
Glendale	Glendale Colliery Co.	45	5	50	5	5	55	242	4

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NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										Ave. No. of days mines were operated.	Ave. No. of days ovens were operated.	Ave. No. of ovens in opera- tion per plant.	No. of Horses & Mules inside.
		INSIDE.					OUTSIDE.								
		Pick Min- ers.	Ma- chine Min- ers.	Ma- chine Runners and Helpers.	Labor- ers.	Total	Labor- ers.	Coke Work- ers.	Total	Sum Total					
Laurel.....	Fayette County—Cont'd.	30			10	40	8		8	43	240				8
Robins.....	Laurel Creek Coal Co.....	25			5	30	3		3	33					5
Greenwood.....	Export Coal Co.....	80			30	110	30		30	140	180				15
Hemlock.....	Greenwood Coal Co.....	75			25	100	15		15	115					12
Layland.....	Hemlock Hollow C. & C. Co.														
	New River & Pocahontas														
	Cons. Coal Co.	60			30	90	20		20	110	252				6
B. No. 1.....	do	12			2	14	2		2	16	200				4
No. 2.....	do	90	22	10	47	169	15		15	184	270				16
No. 3.....	do	104	6	4	50	164	16		16	180	286				17
No. 4.....	do	56	48	20	40	164	12		12	176	284				9
No. 5.....	do	70	68	40	46	224	16		16	240	270				10
Newlyn.....	Newlyn Coal Co.....	10			3	13	2		2	15	240				8
Meadow Fork.....	Meadow Fork Coal Co.....	15			3	18	4		4	22	180				3
Dunglen No. 1.....	The Dunglen Coal Co.....	25			4	29	5		5	34	216				4
Nichol.....	Nichol Colliery Co.....	28			12	40	7		7	47	119				4
Derryhale.....	McKell Coal & Coke Co.	85	4	2	35	126	11		11	137	162				16
Kilsyth.....	do	200	5	2	65	272	13		13	285	194				38
Laura.....	Laura Mining Co.....	30			28	58	4		4	62	172				16
Star.....	The Star Coal & Coke Co.....	87	19	5	53	164	15		15	179	217				25
Harvey.....	Harvey Coal & Coke Co.	75			55	130	20	60	80	210	289	245	80		38
Prudence, Lyman & Jones.....	Prudence Coal Co.....	90	12		55	157	17		17	174	207				28
Collins Nos. 1 and 2.....	Collins Colliery Co.....	140	3	2	70	215	16	50	66	281	220	318	79		34
Wingrove.....	White Oak Fuel Co.....	40	10	4	18	72	19		19	91	270				19
Scarbro.....	do	75	20	5	50	150	35		35	185	267				37
Whipple.....	do	56	12	4	53	130	22		22	152	220				26
Carlisle.....	do	70			30	100	16		16	116	261				20
Oakwood.....	do	55			24	79	9		9	88	262				18
Parra.....	Stuart Colliery Co.....		11	2	6	19	8		8	27	300				4
Stuart.....	do		10	2	8	20	10		10	30	240				

* Worked two shifts, number stated to a shift.

Beech Creek	Stuart Colliery Co.	12	1,446	368	2,632	9,346	1,420	739	2,169	11,506	225	253	107	1,443
Dunn Loop No. 1	Dunn Loop Coal & Coke Co.	49	...	...	38	55	27	...	27	112	226	...	...	20
No. 2	...	63	...	...	48	111	18	...	18	129	240	...	120	27
Macdonald	Macdonald Colliery Co.	141	16	...	18	174	52	27	79	253	290	...	...	27
Sugar Creek	Sugar Creek Coal & Coke Co.	85	...	...	36	120	25	...	25	145	181	...	...	25
Sherwood	Price Hill Fuel Co.	30	12	...	15	65	8	...	8	68	238	800	90	9
Turkey Knob	The Turkey Knob Coal Co.	56	...	...	20	75	12	12	24	99	...	...	...	22
Totals	...	4,800	1,446	368	2,632	9,346	1,420	739	2,169	11,506	225	253	107	1,443
Kansas County.														
Jones Nos. 1 & 2	Falling Rock Cannel Coal Co.	20	5	2	2	29	3	...	3	32	200	...	...	2
Graham	The Graham Coal Co.	20	...	...	6	26	2	...	2	25	200	...	...	4
Queen Shoals	The Elk Coal Co.	25	...	...	15	40	4	...	4	44	...	...	...	10
Turner	...	...	18	4	36	52	6	...	5	57	...	...	...	7
Lucas Ray	Lucas Ray Coal Co.	...	8	2	3	13	1	...	1	14	180	...	...	2
Hetherman	Jefferson Coal & Coke Co.	...	20	4	4	25	1	...	1	29	80	...	...	1
Pen Mar	Pen Mar Mining Co.	8	...	...	1	7	1	...	1	8	...	...	...	1
Pencock	Kansas-Elk Coal Co.	30	...	...	2	32	2	...	2	34	200	...	...	2
Taggart	...	8	...	...	1	4	...	...	...	4	45	...	...	1
Gaghan	...	28	...	...	5	28	6	...	6	34	167	...	...	4
Mill Creek	...	4	14	3	4	25	9	...	9	34	149	...	...	2
Wills Hollow Nos. 1 & 2	Blue Creek Coal & Land Co.	40	...	...	9	48	10	...	10	59	109	...	...	5
Blakely Nos. 3 & 4	...	30	...	...	7	37	6	...	6	43	109	...	...	3
Sbrader Nos. 1 & 2	Columbia Coal Mining Co.	10	...	...	1	11	2	...	2	13	58	...	...	1
Roderick	Roderick Coal Co.	5	...	...	9	14	4	...	4	18	...	...	...	2
No. 2	The Campbells Creek Coal Co.	25	...	...	21	56	4	...	4	60	284	...	...	7
No. 1 & 8	...	...	82	30	54	176	18	...	18	194	276	...	...	52
Belle	Kansas Block Coal Co.	8	...	...	2	10	2	...	2	12	120	...	...	1
No. 1	Quincy Coal Co.	...	...	...	14	26	3	...	3	31	...	...	...	3
No. 2	...	6	16	3	23	53	8	...	8	61	...	...	...	4
No. 101	Sunday Creek Co.	10	40	10	30	90	15	...	15	106	204	...	...	10
No. 106	...	...	150	16	55	221	20	...	20	241	223	...	...	23
No. 106	...	...	80	4	12	48	8	...	8	54	25	...	...	4
No. 108	...	...	12	2	4	18	2	...	2	20	52	...	...	4
No. 109	...	...	25	6	11	42	5	...	5	47	75	...	...	4
No. 110	...	...	25	8	16	53	8	...	8	61	40	...	...	5
Boyd	New Cedar Grove C. & B. Co.	4	7	3	17	31	3	...	3	34	...	...	...	2
No. 1	Kellys Creek Colliery Co.	15	50	10	100	175	10	...	10	185	290	...	...	14
No. 3	...	...	75	14	15	104	10	...	10	114	225	...	...	15
No. 3 1/2	...	...	30	4	6	40	1	...	1	41	60	...	...	6
No. 4	...	10	...	...	3	12	...	...	...	14	150	...	...	2
Hughston Nos. 2 & 3	Hughes Creek Coal Co.	20	150	14	35	219	20	...	20	230	204	225	90	24
No. 2	Cannelton Coal Co.	45	16	4	16	54	26	...	26	140	258	...	...	10
Monarch Nos. 1 & 2	The Marinet Coal Co.	2	48	16	23	80	19	...	19	108	270	...	...	20
Butler	...	20	30	10	35	95	16	...	15	110	292	...	...	20
No. 2	...	...	16	6	10	31	1	...	1	32	194	...	...	4

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										Mines were operated.	Ave. No. of days ovens were operated.	Ave. No. of ovens in operation per plant.	No. of horses & mules inside.
		INSIDE.					OUTSIDE.								
		Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.	SUM TOTAL.					
No. 5	Kanawha County.—Cont'd.											17			1
No. 1	The Marmet Coal Co.	6	2	2	4	8	2		2	10		205			12
No. 2	Black Band Coal & Coke Co.	3	19	4	15	44	5		5	49		190			18
No. 3	"	2	30	12	30	75	7		7	82		150			14
No. 5	"	5	20	8	16	48	6		6	54		155			13
No. 1	"	24	35	8	21	69	8		8	77		165			4
No. 2	The Olcott Coal & Iron Co.				6	30	7		7	37		171			7
Gas	"				10	52	7		7	59		200			10
South	Winifrede Coal Co.	10	13	6	11	40	6		6	46		200			26
North	"	59	10	3	34	106	16		16	122		200			20
West	"	20	82	10	30	92	15		15	107		200			8
Malcolm	"	35	6	2	18	61	7		7	68		200			2
Ronda	Malcolm Coal Co.	22			6	28	1		1	29		81			7
Peerless	(Coalburg Colliery Co.	50	17	4	12	83	15		15	98		204			12
Belmont & Coalburg	Dry Branch Coal Co.		23	6	7	36	1		1	37					4
Oakley	"		80	16	40	136	25		25	161					10
Berlin	Wyatt Coal Co.	4	21	7	12	40	11		11	51					12
South	"		30	6	9	49	8		8	57					4
North	"		60	8	12	80	8		8	88					10
Wilton.	"		6	2	2	10	3		3	13		60			12
Wake Forest	Persinger Coal Co.	5		2	3	10	3		3	13		234			3
No. 2	Wake Forest Mining Co.	6	25	6	10	47	5		5	52		240			7
	The Holley & Stephenson O. & C. Co.		35	6	4	45	8		8	53					8
No. 5	do		20	4	3	27	6		6	33					4
No. 1	do		4		1	5				5					1
Nos. 1 and 3	La Mont Mining Co.		31		10	45	12		12	57		232			6
North	Carbon Coal Co.		25	6	15	46	9		9	55		178			12
South	"	5	35	15	15	79	10		10	89		145			3
No. 3	"		20	4	10	34	8		8	42		160			8
No. 1	Republic Coal Co.	10	14	6	17	47	10		10	57		186			10
No. 2	"		25	6	12	43	5		5	48		140			2
No. 8	"		12	6	10	28	5		5	31		165			12
No. 1	West Virginia Colliery Co.	15	35	16	15	81	10		10	91		141			6
No. 2	"	10	14	4	15	43	18		18	61		181			2
No. 3	"		10	4	5	19	5		5	24		75			

Acme.....	9	4	6	19	7	23	152	.....	.....	.....	4
Keystone.....	16	5	16	58	10	68	150	.....	.....	.....	14
Empire.....	20	3	12	89	10	49	14	.....	.....	.....	9
Buckeye.....	12	2	8	17	3	19	214	.....	.....	.....	1
Shamrock.....	45	6	18	69	5	74	169	.....	.....	.....	9
Bellectare.....	17	4	12	42	4	46	98	.....	.....	.....	5
Buby.....	11	2	6	19	6	25	214	.....	.....	.....	4
Holly.....	30	10	14	54	5	59	210	.....	.....	.....	9
Quarrier.....	23	13	14	52	5	57	.....	.....	.....	.....	11
Red Warrior.....	21	6	10	37	3	40	198	.....	.....	.....	7
Cherokee.....	18	5	12	53	6	59	204	.....	.....	.....	6
Davis.....	33	4	14	51	6	57	185	.....	.....	.....	6
Oaledonia.....	15	4	14	28	2	30	200	.....	.....	.....	9
Thistle.....	23	2	10	60	4	64	129	.....	.....	.....	4
Rose.....	10	4	5	26	4	79	193	.....	.....	.....	8
Raccoon.....	22	12	15	73	6	105	.....	.....	.....	.....	10
United Gas.....	35	6	30	96	9	23	193	.....	.....	.....	3
United Splint.....	11	2	5	18	5	66	.....	.....	.....	.....	6
Kayford.....	37	6	10	61	5	25	.....	.....	.....	.....	8
Klondike.....	.....	.....	4	23	2	46	.....	.....	.....	.....	4
No. 5.....	.....	.....	7	42	4	6	.....	.....	.....	.....	1
No. 6.....	.....	.....	.....	6	.....	.....	.....	.....	.....	.....	1
Coalburg.....	.....	.....	2	16	1	17	200	.....	.....	.....	1
Belmont Coal Co.....	.....	.....	2	12	1	18	200	.....	.....	.....	1
Lewiston.....	.....	.....	19	66	24	90	200	.....	.....	.....	7
New Coalburg.....	.....	8	80	160	24	184	190	.....	.....	.....	10
No. 8.....	5	10	65	73	10	83	200	.....	.....	.....	9
Black Cat.....	.....	8	50	47	10	57	140	.....	.....	.....	4
Reynolds.....	2	6	27	60	12	72	105	.....	.....	.....	5
Knickerbocker.....	.....	.....	.....	65	20	85	204	.....	.....	.....	10
Seranton.....	10	10	30	84	18	102	192	.....	.....	.....	18
Paint Creek.....	14	.....	40	12	4	16	200	.....	.....	.....	1
Grose No. 1.....	10	.....	.....	22	5	37	280	.....	.....	.....	3
No. 2.....	2	.....	15	53	10	63	285	.....	.....	.....	9
Greenbrier No. 2.....	38	.....	2	32	10	42	285	.....	.....	.....	4
No. 3.....	5	.....	11	88	10	98	215	.....	.....	.....	7
Wacomah.....	.....	.....	4	22	5	27	80	.....	.....	.....	6
Detroit.....	15	.....	6	49	10	59	218	.....	.....	.....	10
Morton.....	.....	8	23	57	15	72	249	.....	.....	.....	8
Nuckolls.....	14	4	20	63	9	62	195	.....	.....	.....	8
Banner No. 1.....	37	.....	15	17	2	19	185	.....	.....	.....	2
Banner No. 2.....	11	.....	4	38	3	110	216	.....	.....	.....	3
Standard.....	.....	.....	2	38	12	110	240	.....	.....	.....	8
Standard Splint & Gas Co. Co.....	10	.....	10	62	10	72	240	.....	.....	.....	6
Imperial Colliery Co.....	15	.....	10	46	5	53	240	.....	.....	.....	5
No. 1.....	.....	8	8	43	5	48	240	.....	.....	.....	5
No. 2.....	.....	6	7	81	5	48	242	.....	.....	.....	5
No. 3.....	.....	4	20	81	31	112	310	.....	.....	.....	28
No. 1.....	45	.....	4	77	6	83	318	.....	.....	.....	7
Nos. 2 & 3.....	48	.....	18	69	20	89	.....	.....	.....	.....	6
Kanawha.....	45	.....	20	58	8	66	.....	.....	.....	.....	4
Montgomery Coal Co.....	.....	6	13	.....	.....	.....	.....	.....	.....	.....	.....
Morris Creek Coal Co.....	3	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	1,235	2,608	614	1,638	944	964	7,174	205	225	90	889

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	NAME OF COMPANY.	EMPLOYEES.										AVG. No. of days mines were operated.	AVG. No. of days ovens were operated.	AVG. No. of ov- ens in operation per plant.	No. of Horses & Mules inside,
		INSIDE.					OUTSIDE.								
		Pick Min- ers.	Ma- chine Min- ers.	Machine Runners and Helpers.	Labor- ers.	Total	Labor- ers.	Coke Work- ers.	Total	SUM TOTAL					
Linden.	Mason County.	40			2	42	3		3	45	175				7
Jackson.	Mason City Coal Mining Co.	25			3	28	2		2	30	200				3
Hartford.	Liverpool Salt & Coal Co.	30			5	35	5		5	40	152				8
Camden.	Hartford Coal & Mining Co.		40	12	8	60	13		13	73	255				10
Klondike.	Consumers Coal & Mining Co.	18				18	2		2	20	200				2
Beech Grove.	Hanging Rock Coal Co.	35			7	42	6		6	48					6
Totals.		148	40	12	25	225	31		31	256	203				38
Bell Creek.	Nicholas County.	12	18	2	7	39	13		13	52	200				5
No. 1.	Bell Creek Coal Co.		4	2	2	8	2		2	10	135				2
No. 2.	The Columbus Coal Co.	13			2	15	4		4	19	105				4
Cambria.	Kentucky Coal & Lumber Co.	5	10	4	4	23	3		3	26	185				3
Mt. Carmel.	"	5	15	4	4	28	3		3	31	180				3
National.	"	15			4	19	3		3	22	152				3
Arminius.	Arminius Coal Co.	10			2	12	2		2	14	180				3
Raven.	Paint Creek Collieries Co.	5	4	2	3	14	5		5	19	127				2
Totals.		65	51	14	28	158	35		35	193	168				25
Plymouth.	Putnam County.	32			4	36	7		7	43	263				4
Manilla.	Plymouth Coal & Mining Co.	80			11	91	9		9	100	263				12
California.	"	40			7	47	9		9	56	263				5
Big Otto Nos. 1, 2 & 3.	The Otto Marmet C. & M. Co.	200			50	250	130		130	380	241				22
Nos. 1 & 2.	Black Betsey C. & M. Co.	150		2	205	357	24		24	385	276				20
Oak Forest.	The Oak Forest C. & M. Co.	15			4	19	4		4	23	200				10
Alpha.	Alpha Coal Mining Co.	8			3	11	2		2	13					2
Totals.		525		2	284	811	189		189	1,000	230				75
Lost Flat.	Greenbrier County.	20			5	25	5		5	30	250				4
Totals.		20			5	25	5		5	30	259				4

Raleigh County.									
Dorothy	Big Coal Co	12	.....	.....	.....	.....	.....	.....	.....
Royal	New River Collieries Co	87	.....	.....	.....	.....	.....	.....	.....
Lanark	.....	45	.....	.....	.....	.....	.....	.....	.....
No. 3	Raleigh Coal & Coke Co	112	10	4	.....	.....	.....	.....	.....
Nos. 1, 2 and 4	"	65	1	.....	.....	.....	.....	.....	.....
No. 5	"	8	.....	.....	.....	.....	.....	.....	.....
Wright	Wright Coal & Coke Co	75	.....	.....	.....	.....	.....	.....	.....
Pack	.....	30	.....	.....	.....	.....	.....	.....	.....
Piney No. 1	Piney Coal & Coke Co	50	.....	.....	.....	.....	.....	.....	.....
" No. 2	"	40	.....	.....	.....	.....	.....	.....	.....
" No. 3	"	50	.....	.....	.....	.....	.....	.....	.....
" No. 4	"	30	.....	.....	.....	.....	.....	.....	.....
Stonewall	Stonewall Coal & Coke Co	25	.....	.....	.....	.....	.....	.....	.....
Terry	.....	40	.....	.....	.....	.....	.....	.....	.....
Oswald	McKell Coal & Coke Co	51	8	2	.....	.....	.....	.....	.....
Sidney	"	25	.....	.....	.....	.....	.....	.....	.....
Graham	"	44	.....	.....	.....	.....	.....	.....	.....
Blue Jay	Blue Jay Coal & Lumber Co	16	.....	.....	.....	.....	.....	.....	.....
Lewis	Home Coal Co	12	.....	.....	.....	.....	.....	.....	.....
Beckley	Beckley Coal & Coke Co	75	.....	.....	.....	.....	.....	.....	.....
Mabscott	Mabscott Coal & Coke Co	85	.....	.....	.....	.....	.....	.....	.....
Oranberry	Oranberry Fuel Co	16	.....	.....	.....	.....	.....	.....	.....
Prosperity	"	23	.....	.....	.....	.....	.....	.....	.....
Skelton	"	30	4	2	.....	.....	.....	.....	.....
Sprague	"	34	.....	.....	.....	.....	.....	.....	.....
Price Hill	Price Hill Fuel Co	40	15	4	.....	.....	.....	.....	.....
Totals	.....	1,020	38	12	427	1,497	221	1,718	216
Lincoln County.									
Rochester	Rochester Coal Co	4	.....	.....	.....	4	1	5	200
Lincoln No. 1	Branchland Coal Co	.....	.....	8	6	23	6	84	300
Totals	.....	4	15	8	5	32	7	89	288
Logan County.									
Monitor & Beechwood	The Monitor Coal & Coke Co	.....	.....	8	30	80	14	94	.....
Gay	The Gay Coal & Coke Co	.....	25	4	12	41	8	49	220
Draper	Draper Coal & Coke Co	6	30	8	9	53	10	63	275
Big Creek	Big Creek Coal Co	45	30	4	40	119	10	129	230
Island Creek No. 1	U. S. Coal & Oil Co	.....	120	20	40	180	22	202	.....
" No. 2	"	.....	140	20	45	205	23	228	.....
Stone Branch	Stone Branch Coal Co	22	15	4	4	45	2	47	265
No. 1	Logan Coal Co	16	19	10	25	70	10	80	200
Yuma	Yuma Coal & Coke Co	.....	15	4	6	25	4	29	98
Fort Branch	Fort Branch Coal Co	.....	10	6	4	20	5	25	149
Cora	Cora Coal & Coke Co	.....	10	4	4	18	2	20	.....

*Just being developed.

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	NAME OF COMPANY	EMPLOYEES.										Ave No of days mines were operated	Ave No of days ovens were operated	Ave No of ov- ens in operation per plant	No. of Horses & Mules inside.
		INSIDE.					OUTSIDE.								
		Pick Min- ers.	Ma- chine Min- ers	Machine Runners and Helpers.	Labor- ers.	Total	Labor- ers	Coke Work- ers	Total	Sum Total					
Prudential Hex Cadd Ethel Wilson Totals.	Logan County.—Cont'd.														
		12	4	4	10
		10	2	2	14
		12	2	2	21
		5	14	6	3	9	37
		12	432	104	238	138	1,090
Camp Branch Haggerty Alma. Rutherford Red Jacket Logan Maritime Lick Fork Crispevine No 2 No 3 Lynn No 10 Nos. 1 & 2 Nolan War Eagle Pappoose Mephisto Star Hatfield Jackson Nos. 1 & 2 Marvin No 1 Margaret Nos 1 & 2 Cedar Commercial Coaling Station.	Mingo County.														
		6	12	2	2	10	10
		16	40
		65	35	4	23	107	27
		74	36	18	40	168	147
		...	36	4	4	44	205
		18	38	6	14	76	273
		115	18	133	273
		108	18	126	104
		26	26	26	26	104	202
		75	10	6	11	29	231
		18	11	29	128
		20	25	45	180
		30	60	312
		10	20	257
		6	12	155
		11	22	20
		25	50	218
		26	52	220
		17	34	210
		14	28	200
		14	28	200
		14	28	200
		14	28	200
		15	30	240
		6	12	300
	6	12	304	
	10	20	235	
	10	20	235	
	10	20	235	
	10	20	235	
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	10	20	235	
	10	20	235	
	10	20										

Hamson No. 1...	8	12	6	641	2,329	325	275	2,624	217	366	4
er Tree	...	30	30	6	36	6	...	44	340	...	4
ard	...	15	5	4	34	4	...	38	36	...	3
ttaroy	...	18	6	25	49	12	...	41	340	...	9
Buffalo	...	30	10	15	75	10	...	65	360	...	11
Hawi No. 1	...	11	8	8	27	6	...	38	270	...	7
Walnut Hill	...	15	8	3	36	6	...	30	270	...	4
Lingohocken No. 1	10	35	6	...	30	270	...	4
Warfield	...	30	4	15	64	18	...	33	300	...	9
Sycamore	6	26	5	...	31	165	...	...
Mattie May	2	...	...	2	90	...	...
Totals	615	794	259	641	2,329	325	275	2,624	217	366	2
Wayne County.											
No. 1	29	...	...	6	35	3	...	37	285	7	7
Totals	29	...	...	6	35	2	...	37	285	7	7
McDowell County.											
Piney & North Fork	160	15	35	230	240	300	30
Gilliam	115	35	50	303	216	190	30
Roanoke	75	12	40	197	253	105	13
Indian Ridge	66	14	30	140	240	230	...
Arlington	60	15	40	146	216	230	15
Greenbrier	100	20	50	170	190	100	14
McDowell	168	37	46	240	256	313	26
Ashland Nos. 1 and 2	141	...	...	...	230	47	53	329	229	181	30
Elk Ridge Nos. 1 and 2	110	35	65	210	300	300	30
Norfolk & Anglo	520	60	100	750	219	340	47
Lack Branch	200	50	90	410	219	248	14
Delta	200	60	60	430	219	148	30
Shamokin	275	40	100	415	219	243	21
Cherokee	165	40	...	205	219	180	12
West	23	...	...	23	240	...	9
Elkhorn	136	23	60	258	236	146	25
Zenith Nos. 1 and 2	75	18	...	93	231	...	8
Tidewater	95	20	...	135	231	80	9
Bottom Creek	146	40	34	220	257	100	15
Peerless	143	8	45	195	246	110	19
Empire	200	20	70	230	231	150	30
Shawnee	105	25	50	190	218	160	16
Eureka	140	15	70	225	235	140	17
Pulaski	205	46	108	414	264	210	20
Keystone Nos. 1 and 2	145	70	38	253	265	95	25
Lynchburg	150	20	60	250	253	145	30
Powhatan	104	37	43	186	190	135	20

DETAIL OF THE MEN EMPLOYED AT THE MINES AND OVENS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	NAME OF COMPANY.	EMPLOYEES										Ave No. of days mines were operated.	Ave No. of days ovens were operated.	Ave No ovens in operation per plant	No. of Horses & Mules inside.
		INSIDE					OUTSIDE								
		Pick- Min- ers	Ma- chine Min- ers	Ma- chine Runners and Helpers.	Labor- ers	Total	Labor- ers	Coke Work- ers	Total	SUM TOTAL					
Nos. 1 & 2	McDowell County—Cont'd.	85	8		25	118	25	120	145	253	212	318	193	17	17
Nos. 1 & 2	Upland Coal & Coke Co.	200			40	240	35	90	315	355	185	318	230	24	24
No. 1	Houston Coal & Coke Co.	76			30	106	38	66	96	204	313	318	215	15	15
No. 2	Grozier Coal & Coke Co.	30			17	47				47	318	318		8	8
Turkey Gap	Turkey Gap Coal & Coke Co.	200			115	315	30	100	120	435	240	240	225	26	26
Cirrus	Cirrus Coal & Coke Co.	25			10	35	8		8	43	220			5	5
Big Sandy	Big Sandy Coal & Coke Co.	75			35	110	15		15	125				14	14
Marytown		50	8	4	25	87	10		10	97				10	10
Maheer No. 1	Maheer Coal & Coke Co.	9	10	8	5	36	5		5	41	279			5	5
No. 2			6	4	6	16	3		3	19	115				
Twin Branch	Twin Branch Mining Co.	21			60	81	5		5	86	290			8	8
J. B. B. No. 1	J. B. B. Collieries Co.	16	10	4	10	39	8		8	47	278			8	8
No. 2		30	20	10	30	90	8		8	98	290			10	10
No. 3			8	8	10	32	8		8	40	205				
No. 4			8	8	4	20	5		5	25	132				
No. 5			8	8	4	20	5		5	25	132				
Cambridge															
Vaughan Coal & Coke Co.	Vaughan Coal & Coke Co.	30			10	40	6		6	46				5	5
Superior Pocahontas Coal Co.	Superior Pocahontas Coal Co.	60	25	3	25	112	10		10	122				11	11
No. 1		25				25	10		10	35	200			8	8
No. 2		25				25	10		10	35	200				
Pando	Pando Coal Co.	16			10	26	100		100	125	180			5	5
Antler	Antler Coal & Coke Co.	15	10	5	6	37	3		3	40	190			5	5
No. 1	United States Coal & Coke Co.	74	5	3	63	145	6	80	95	240	306	306	297	24	24
No. 2		81			51	132	6	80	95	227	306	306	299	23	23
No. 3		62	7	5	40	114	7	73	80	194	306	306	174	23	23
No. 4		85	6	6	43	139	7	85	92	231	306	306	177	23	23
No. 5		29			29	64	6	54	60	124	306	306	99	10	10
No. 6		107			46	153	17	116	138	269	306	306	239	23	23
No. 7		57	6	6	47	148	13	124	152	301	306	306	233	23	23
No. 8		43			40	83	7	74	81	164	306	306	187	17	17
Mohawk	Mohawk Coal & Coke Co.		45	14	16	74	10		10	84	200			13	13
Welch	Welch Coal & Coke Co.	14	8	4	7	33	7		7	40	240			6	6
Hemphill		13	10	4	7	34	3		3	37	210			6	6
Stick Rock		6			3	9	4		4	13	250			1	1
Imo		15	20	5	30	70	10		10	80	215			10	10
McClaren		10			4	14				14	230				

**NATIONALITIES EMPLOYED AND THEIR PROCENTAGES, JUNE 30,
1907.**

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, BY COUNTIES, FOR THE YEAR
ENDING JUNE 30TH, 1907.

NATIONALITIES OF MINE EMPLOYEES SUMMARIZED—1907.

COUNTY.	Where Employed.	American (white).	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Irish.	Scotch.	German.	Russian.	Belgian.	Austrian.	Welsh.	French.	Spanish.	Roumanian.	French.	Unknown.	Total inside Employees.	Total Outside (exclusive of coke yard).	Total Coke Employees	Grand Totals.
Brooke.....	Inside.....	112	15	51		50			28			20	1	20	6			75	1					189	567	78		
	Outside..... Coke Yard	28	1	6		1								6				1						35				
Totals.....		140	16	57		51			28			20	1	26	5			76	1				224	567	78	645		
Hancock.....	Inside.....	33				7			21						1			6							72	22		
	Outside..... Coke Yard	13		9																								
Totals.....		46		9		7			21						1			6							72	22	94	
Marion.....	Inside.....	1,043	167	844		118	4		334		1	26		28	14	97		2166	2					2,948	656	188		
	Outside..... Coke Yard	472	33	133		1			7						1			6										
Totals.....		1,542	202	1,034		136			341		1	26		28	15	97		2192						2,948	656	188	3,797	
Monongalia.....	Inside.....	167	7	126		7	4		5							6		2						34	358	57		
	Outside..... Coke Yard	30		12			8																	7				
Totals.....		229	11	153		17	12		25							6		30						47	358	57	128	543
Marshall.....	Inside.....	81	3			4			164						2	3								149	540	79		
	Outside..... Coke Yard	45																					34					
Totals.....		126	3			4			164														183	540	79	619		
Ohio.....	Inside.....	95	18						35			5			17			20						16	199	29		
	Outside..... Coke Yard	12													1													
Totals.....		107	18						35			5			18								16	199	29	228		

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NATIONALITIES OF MINE EMPLOYEES SUMMARIZED—1907.

COUNTY.	Where Employed	American (white).	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Latvitch.	Greek.	Irish.	Slavish.	Serbian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (exclusive of coke yard).	Total Coke Employees.	Grand Totals.	
Preston	Inside	514	35	254		46		25	54			2		2	38	3	7		7				10								288	1,280	186	216	1,682	
	Outside	110	1	23		1		4				1		2	12		8														46			216		
	Coke Yard	48	5	96		21			28																											
Totals		667	41	373		68		29	82	1		3	4	4	45	3	15		7				10								384	1,280	186	216	1,682	
Randolph	Inside	162	4	223				13	28					1	8		4						4	9								451	71	130		
	Outside	42		23					3			2											1													
	Coke Yard	2		127																			1													
Totals		206	4	373				13	26			2		1	8		4						6	9								451	71	130	652	
Tucker	Inside	183	48	162		4		225	157			3		2	82		5		3		57											884	179	193		
	Outside	76	25	70					3						2		1		1		1															
	Coke Yard	2	2	67								1																				121		193		
Totals		211	75	299		4		225	160	3		4	2	2	84		6		4		58										121	884	179	193	1,256	
Braxton	Inside	43	1	33		8								1	9																	96	11			
	Outside	10																																		
	Coke Yard														1																					
Totals		53	1	33		8								1	10																	96	11		106	
Clay	Inside	100				1																											101	24		
	Outside	24																																		
	Coke Yard																																			
Totals		124				1																											101	24		125
Fayette	Inside	3,817	1,984	572	1	301		29	310	19	134		13		45	1	66		134	42		26	27								1,911	9,432				
	Outside	787	230	133		15			1										1				7									279		1,513		
	Coke Yard	78	507	50			10		3						28				1													76		748		
Totals		4,682	2,781	755	1	316	19	29	314	19	134	13			68	1	66		136	42		26	34								2,206	9,432	1,513	748	11,693	

Kanawha.....	Inside.....	3,185	616	75	112	...	19	1	...	46	12	2	...	18	1	...	1,891	5,999	...	1,085	...	...	...
	Outside... Coke Yard	678	57	4	15	...	1	1	...	...	...	...	...	...	...	...	264	...	...	...	20	...	...
Totals.....		3,863	693	79	127	...	20	2	...	61	12	2	...	18	1	...	2,155	5,999	...	1,085	20	7,064	...
Mason.....	Inside.....	98	4	...	...	...	...	...	...	...	...	...	...	...	...	...	128	225	...	...	...	...	...
	Outside... Coke Yard	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20	...	...	31	...	...	...
Totals.....		109	4	...	...	...	...	...	...	...	...	...	...	...	...	...	148	225	...	31	...	256	...
Nicholas.....	Inside.....	120	2	...	5	...	...	...	...	...	...	...	...	...	...	...	14	141	...	...	...	...	...
	Outside... Coke Yard	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	47	...	...	...
Totals.....		162	2	...	5	...	...	...	...	...	...	...	...	...	...	...	19	141	...	47	...	188	...
Putnam.....	Inside.....	249	10	...	4	...	6	...	...	...	...	...	...	...	...	...	531	807	...	...	...	...	...
	Outside... Coke Yard	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	183	...	...	198	...	...	...
Totals.....		258	10	...	4	...	6	...	...	...	...	...	...	...	...	...	714	807	...	198	...	1,000	...
Greenbrier.....	Inside.....	19	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	25	...	...	...	...	...
	Outside... Coke Yard	2	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...
Totals.....		21	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	25	...	5	...	30	...
Raleigh.....	Inside.....	613	278	6	25	...	24	...	...	2	6	...	2	4	...	...	463	1,506	...	...	...	...	...
	Outside... Coke Yard	105	26	22	...	...	2	...	...	...	...	...	...	...	...	...	64	...	...	223	...	...	...
Totals.....		718	304	28	25	...	26	...	...	...	...	...	...	...	...	...	527	1,506	...	223	...	1,729	...
Lincoln.....	Inside.....	26	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	...	...	...	...	...
	Outside... Coke Yard	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	...
Totals.....		38	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27	...	12	...	39	...
Logan.....	Inside.....	250	22	26	29	...	1	...	...	...	...	...	...	...	...	...	473	834	...	...	...	...	...
	Outside... Coke Yard	97	1	6	...	...	...	...	...	...	...	...	...	...	...	...	57	...	...	171	...	...	...
Totals.....		347	23	32	29	...	1	...	...	...	...	...	...	...	...	...	530	834	...	171	...	1,005	...

NATIONALITIES OF MINE EMPLOYEES SUMMARIZED—1907.

COUNTY.	Where Employed.	American (white).	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Latvitch.	Greek.	Irish.	Slavish.	Serbian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total inside Employees.	Total outside coke yard.	Total Coke Employees.	Grand Totals.		
Mingo	Inside Outside Coke Yard	463 141	113 10	27 10 .....	..... ..... .....	57 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	2 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	1	12 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	1,581 186	2,256	847 ..... .....	..... ..... .....	..... ..... .....	2,603
Totals	.....	604	123	37	.....	57	.....	.....	.....	.....	2	.....	.....	1	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,767	2,256	847	.....	2,603		
Wayne	Inside Outside Coke Yard	31 2 .....	..... ..... .....	..... ..... .....	..... ..... .....	1 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
Totals	33	1	37
McDowell	Inside Outside Coke Yard	1,626 446 214	2,564 433 1,803	647 138 464	1,078 74 237	10	79	1	1	16	10	144 30 25	2	1	1,612 325 207	7,852 1,461 2,584
Totals	.....	2,286	4,300	1,249	.....	1,389	10	.....	129	1	1	17	.....	.....	10	.....	199	.....	9	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,144	7,852	1,461	2,584	11,197	
Mercer	Inside Outside Coke Yard	514 182 65	699 109 214	181 81 127	..... ..... .....	194 3 25	..... ..... .....	..... ..... .....	3 ..... .....	..... ..... .....	..... ..... .....	2 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	15	3 ..... .....	..... ..... .....	13 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	155 15 35	1,729 ..... .....	..... ..... 467	..... ..... .....	..... ..... .....	..... ..... .....
Totals	761	1,022	339	222	3	2	15	3	14	205	1,729	467	2,186
Totals for State	Inside Outside Coke Yard	15,799 4,123 487	6,832 1,014 2,062	4,071 746 1,148	..... ..... .....	2,299 144 310	407 12 10	..... ..... .....	1,413 22 105	1	1	273 4 8	..... ..... .....	..... ..... .....	28 1 2	712 33 87	4 3	469 35 39	..... ..... .....	232 22 7	111 9	141 7 .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	10,007 1,683 445	4,544 ..... .....	..... 7,849 4,796	..... ..... .....	..... ..... .....	..... ..... .....
Grand Totals.	.....	20,409	9,908	5,965	.....	12,753	10,419	1,540	1,87	1	1	280	.....	1,31	832	7,543	4,291	120	148	167	149	394	6	8	24	10	40	1	12,115	48,544	7,869	4,796	56,209			

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1907.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (white).	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Lithvich.	Greek.	Irish.	Slavish.	Servian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (exclusive of coke yard).	Total Coke Employees.	Grand Totals.
Brooke County.																																				
A. Gilchrist & Sons' Co. Co.	Gilchrist	Inside.....	20	1	25					1																							48	7		
		Outside.....	7																																	
		Coke Yard																																		
The La Belle Coal Co.	Lewis No. 1.	Inside.....	34	5	14											1																	54	6		60
		Outside.....	6																																	
		Coke Yard																																		
Beech Bottom C. Co.	Beech Bottom No. 1	Inside.....	8	3	2		10			5						59																	87	8		95
		Outside.....	8	1	4																															
		Coke Yard																																		
Lewis Findley C. Co.	Locust Grove	Inside.....																																		
		Outside.....																																		
		Coke Yard																																		
La Belle Iron Works	La Belle Shaft	Inside.....	35	6			20			12			20		1							10											104	7		224
		Outside.....	6				1																													
		Coke Yard																																		
Rex Carbon C. Co.	No. 1.	Inside.....	15		10		20			10						15																	85			
		Outside.....	6		2											1																				
		Coke Yard																																		
Totals			140	16	57		51			28			20		1	76					5	26			1							224	567	78		645
Hancock Co.																																				
M. M. Cullen	Porter No. 1	Inside.....	7																																	
		Outside.....	8																																	
		Coke Yard																																		
The Marquet Co.	No. 4	Inside.....	20				7			17						6																	54	13		67
		Outside.....	4		9																															
		Coke Yard																																		
do do	No. 5	Inside.....	6							4																							11			
		Outside.....	1																																	
		Coke Yard																																		
Totals			46		9		7			21						6					1			4									72	22		94

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NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1907.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (white.)	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Lithvich.	Greek.	Irish.	Slavish.	Servian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (exclusive of coke yard.)	Total Coke Employees.	Grand Totals.	
Marshall Co.	Hitchman...	Inside ...	22							101																							224	28		250	
Hitchman O. & Co.		Outside ...	26																																		
Boggs Run M. & M'g Co...	Boggs Run	Coke Yard	13							28								8	2													45	7		52		
		Inside ...					4																														
		Outside...																														7					
Wheeling Steel & Iron Co....	Benwood...	Coke Yard																															101	15		116	
		Inside ...																																			
		Outside...																																			
Glendale Coal Co.....	Glendale	Coke Yard	7							38																							78	12		85	
		Inside ...	12																																		
		Outside...																																			
Clearfield & Ohio River Co.	Mound City Shaft	Coke Yard	39	3						7																							49	7		56	
		Inside ...	7																																		
		Outside...																																			
The Glen Easton Co. & O. Co.	Glen Easton.	Coke Yard																															48	12		60	
		Inside ...																															12				
		Outside...																																			
Totals			126	3			4			161								8	2													183	79		619		
Ohio County.																																					
Jochum & Co	Central.....	Inside ...																																2	1		3
		Outside ...																																			
		Coke Yard																																			
Richland Coal Co.	Richland.....	Inside ...	20	10												20																	89	11		100	
		Outside...																																			
		Coke Yard																																			
Elm Grove Coal Co.....	Elm Grove	Inside ...	10	8																														28	4		82
		Outside...	4																																		
		Coke Yard																																			
Reymann Brewing Co.	Manchester..	Inside ...	10																														10	1		11	
		Outside...																																			
		Coke Yard																																			

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	Buckhannon River C. Co.	Florence	Inside. Outside. Coke Yard	10 2 8	5	12	30	1	14	1	3	1	15	2	8	25
Totals.....				63	12								182	33	8	173
<i>Grant County.</i>																
Davis C. & O. Co	No. 22		Inside..... Outside..... Coke Yard										148	35		183
Buffalo Creek			Inside.....	96									96	6		102
Cumberland C. Co.....	Buffalo Creek		Outside..... Coke Yard	6												
Totals.....				102									244	41		285
<i>Mineral County</i>																
Davis C. & O. Co	No. 14		Inside..... Outside..... Coke Yard	11 5	12								23	5		28
do	No. 20		Inside..... Outside..... Coke Yard	69 9	1	2							72	9		81
do	No. 9		Inside..... Outside..... Coke Yard	136 15									136	15		151
do	No. 6		Inside..... Outside..... Coke Yard	34 4									34	4		38
do	No. 19		Inside..... Outside..... Coke Yard	14 9				7					21	9		30
do	No. 50		Inside..... Outside..... Coke Yard	20 3	2	1		9					31	4		35
do	No. 51		Inside..... Outside..... Coke Yard										44	4		48
Smith Coal Co	Smith		Inside..... Outside..... Coke Yard	48 7									48	7		55
Piedmont & Potomac C. Co	Virginia		Inside..... Outside..... Coke Yard	21	5		2						28			28
Big Vein Coal Co. of W. Va.	Big Vein		Inside..... Outside..... Coke Yard										39 16	16		55

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Cumberland C. Co.	Nos. 8 and 4.	Inside	5	1	37	4	255	5	28	3	4	2	84	6	4	1	58	121	884	179	198	1,256	83	16	88	187
do	No. 5	Outside	6	4	9	8	5	29	1	1	1	1	1	1	1	1	1	1	68	8	198	1,256	68	8	88	187
Beacon C. & O. Co.	Beacon	Coke Yard	3	3	5	4	1	1	1	3	4	2	85	3	8	3	1	45	45	11	198	1,256	45	11	88	187
Totals		Inside	211	75	298	21	255	160	1	3	4	2	84	6	4	1	58	121	884	179	198	1,256	83	16	88	187
Braxton County.		Outside																								
Davis Colliery Co.	No. 10	Coke Yard	27	1	10	8						1	1					48	48	6	198	1,256	48	6	88	187
do	No. 11	Inside	16		23							8	1					47	47	5	198	1,256	47	5	88	187
Totals		Outside	53	1	33	8						1	10					95	95	11	198	1,256	95	11	88	187
Clay County.		Coke Yard																								
Dorfee C. M. Co	Elk Manor	Inside	85			1												36	36	10	198	1,256	36	10	88	187
Carter Coal Co.	Carter	Outside	10															25	25	5	198	1,256	25	5	88	187
Kentucky Coal & Lumber Co.	Gauley Cons.	Coke Yard	24															24	24	7	198	1,256	24	7	88	187
Elk River Coal & Lumber Co.	Dundon No. 1	Inside	16															16	16	2	198	1,256	16	2	88	187
Totals		Outside	124			1												101	101	24	198	1,256	101	24	88	187
Payette County.		Coke Yard																								
Sunday Creek Co.	No. 111	Inside	42	20	30													82	82	22	198	1,256	82	22	88	187
do	No. 112	Outside	46	35	19													71	71	24	198	1,256	71	24	88	187
do	Nos. 114 & 114X	Coke Yard	94	12	60													168	168	30	198	1,256	168	30	88	187
Totals		Inside	15	15	55													55	55	55	198	1,256	55	55	88	187

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,

1907.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American. (white)	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Lithich.	Greek.	Irish.	Slavish.	Serbian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (exclusive of coke yard.)	Total Coke Employees.	GRAND TOTALS.
Fayette County Sunday Creek Co.	—Cont'd. No. 115.....	Inside..... Outside..... Coke Yard.....	39 25 53	45 20 65	75																											159	45	65	269	
do	No. 117.....	Inside..... Outside..... Coke Yard.....	53 10 53	10 5 24	1 10		30 1						2								1											97	10		63	
The Columbus Iron & Steel Co.	No. 1.....	Inside..... Outside..... Coke Yard.....	53 20 50	10 5 50	1 10																											110	20	24	147	
Kanawha Gas Coal Co.	Kanawha Gas	Inside..... Outside..... Coke Yard.....	15 75 15	5 2 2	15																											92			180	
W. R. Johnson & Co.	Oakland.....	Inside..... Outside..... Coke Yard.....	98 15 15	16 15 33	33																											147	17		109	
Boomer O. & O. Co.	No. 1.....	Inside..... Outside..... Coke Yard.....	108 14 14	30 14 14	78																											216	15		162	
do	No. 2 North Side.....	Inside..... Outside..... Coke Yard.....	108 14 14	30 14 14	78																											216	14		280	
do	No. 2 South Side.....	Inside..... Outside..... Coke Yard.....	90 20 20	25 20 20	68 20																											183	40		280	
do	No. 3.....	Inside..... Outside..... Coke Yard.....	200 40 17	70 35 17																												270	40		228	
Gauley Mountain O. Co.	Nova Scotia.	Inside..... Outside..... Coke Yard.....	39 5 5	1 1 1																												40	4		21	
Croft & Evans.	Pine Top.....	Inside..... Outside..... Coke Yard.....	39 5 5	1 1 1																												40	5		45	
Moseley & Walker.	Cliff Top No. 1	Inside..... Outside..... Coke Yard.....	39 5 5	1 1 1																												40	5		45	

The Marmet C. Co.....	Butler No. 5..	Inside.....	
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Logan County.					
The Monitor O. & O Co.....	Monitor & Beech wood Inside	18	12	19	21
The Gay O., & O. Co.....	Gay	41	8		
Draper C. & O. Co.....	Draper	17	1	6	4
Big Creek C. Co	Big Creek....	80	1		
United States C. & Oil Co....	Island Creek No. 1.....				
do	" " No. 2				
Stone Branch O. Co.....	Stone Branch Coke Yard Inside	45	2		
Logan U. Co..	Logan No. 1..				
Yuma C. & O. Co.....	Yuma	18	6		4
Fort Branch O. Co.....	Fort Branch. Coke Yard Inside	20			
Cora C. & O. Co	Cora				
Prudential C. & M. Co.....	Prudential.. Coke Yard Inside	10			
Rex C. & O. Co.	Rex	10			
Odd C. & O. Co.	Odd	12			
Ethel C. Co...	Ethel	15	3	1	
H T. Wilson C. Co.....	Wilson.... Coke Yard Outside	14		6	
Total*		347	23	32	29

NATIONALITIES OF PERSONS EMPLOYED AT THE MINES AND COKE OVENS, FOR YEAR ENDING JUNE 30TH,
1907.

NAME OF COMPANY.	NAME OF MINE.	Where Employed.	American (white).	Negro.	Italian.	Canadian.	Hungarian.	Macedonian.	Lithuanian.	Polish.	Bulgarian.	Swedish.	English.	Danish.	Welsh.	Austrian.	Belgian.	Russian.	Bohemian.	German.	Scotch.	Lithuan.	Greek.	Irish.	Slavish.	Serbian.	Japanese.	Syrian.	Spanish.	Roumanian.	French.	Unknown.	Total Inside Employees.	Total Outside (exclusive of coke yard)	Total Coke Employees.	Grand Totals.	
Mingo County.	-Cont'd	Inside	30	3	2		3																									38					
Williamson C. & C. Co.	No 2	Outside	6	1																															6	44	
Winifrede Cons O. Co.	Sugar Tree.	Inside	25																													25					
		Outside	5																																6	30	
Howard Col- lery Co.	Howard	Coke Yard																														49					
		Inside																														12				61	
Chattaroy Col- lery Co.	Chattaroy	Coke Yard	35				40																														
		Inside	10																														75				85
		Outside																																			
The Buffalo Col- leries Co.	Buffalo	Coke Yard	23				2					2																					27				33
		Inside	6																																		
		Outside																																			
		Coke Yard																																			
Leftwich & Taylor	Rawl No 1.	Inside	25																																		
		Outside	5																																		
Walnut Hill C. & M. Co.	Walnut Hill	Coke Yard	35																																		
		Inside	8																																		
		Outside																																			
Lingohocken Co.	Lingohocken	Coke Yard	17	3	5																																
		Inside	23	1	8																																
		Outside																																			
		Coke Yard																																			
		Inside	26																																		
		Outside	5																																		
Warfield C. Co.	Warfield	Coke Yard																																			
		Inside																																			
		Outside																																			
Sycamore C Co	Sycamore	Inside																																			
		Outside																																			
		Coke Yard																																			
		Inside	8																																		
		Outside	4																																		
		Coke Yard																																			
Mattie May C. & C. Co.	Mattie May	Inside																																			
		Outside																																			
		Coke Yard																																			
Totals			604	123	37	57						2			1	12																1767	2,256	347		2,603	

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United States O. & O. Co.	No. 5	Inside Outside Coke Yard	36 5 36	7 18 51	9 9 5	21 1 27	2 2 59	2 2 5	43 93 43	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300
do	No. 6	Inside Outside Coke Yard	36 9 14	16 35 5	8 45 2	27 59 43	2 9 1	2 9 1	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
do	No. 7	Inside Outside Coke Yard	36 7 4	18 5 8	9 2 29	27 4 22	2 14 19	2 14 19	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
do	No. 8	Inside Outside Coke Yard	36 2 3	24 3 4	29 3 59	22 2 2	14 2 2	14 2 2	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Mohawk O. & C. Co.	Mohawk	Inside Outside Coke Yard	19 12 12	41 4 4	4 4 4	4 4 4	4 4 4	4 4 4	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Welch C. & O. Co.	Welch	Inside Outside Coke Yard	33 33 33	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Hemphill Col- lieries Co.	Hemphill	Inside Outside Coke Yard	33 33 33	7 7 7	7 7 7	7 7 7	7 7 7	7 7 7	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Slick Rock C. Co.	Slick Rock	Inside Outside Coke Yard	8 8 8	4 4 4	4 4 4	4 4 4	4 4 4	4 4 4	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Oregon C. Co.	Imb.	Inside Outside Coke Yard	35 15 8	10 5 4	5 3 1	30 30 30	30 30 30	30 30 30	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
do	McClaren	Inside Outside Coke Yard	8 3 40	4 1 40	3 15 10	30 30 30	30 30 30	30 30 30	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Page C. & C. Co.	Nos. 1 & 2.	Inside Outside Coke Yard	40 10 1	40 10 40	15 10 10	30 30 30	30 30 30	30 30 30	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Black Wolf C & C. Co.	No. 4	Inside Outside Coke Yard	15 10 8	15 10 26	3 1 3	15 15 15	15 15 15	15 15 15	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
The Middle States C. & C. Co.	No. 11	Inside Outside Coke Yard	15 10 10	15 10 10	3 1 3	15 15 15	15 15 15	15 15 15	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
The King C. Co	King	Inside Outside Coke Yard	15 10 8	15 10 26	3 1 3	15 15 15	15 15 15	15 15 15	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
Virginia-Poca- hontas O. Co	No. 1	Inside Outside Coke Yard	8 3 36	26 3 4	1 4 4	15 15 15	15 15 15	15 15 15	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	
do	No. 2	Inside Outside Coke Yard	36 4 4	4 4 4	4 4 4	15 15 15	15 15 15	15 15 15	57 57 8	64 153 148	6 17 18	54 116 134	124 286 300	

•Worked in two shifts.

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TABLE SHOWING AVERAGE PRICE PAID PICK MINERS PER YEAR AND MONTH FROM 1897-1907, INCLUSIVE,

YEAR.	Avg. earnings of each pick miner per		Average price per ton of 2,240 lbs. received for pick mining. (Run-of-mine.)
	Year.	Month.	
1897.....	\$ 275.58	\$ 22.96	\$.35 1-5
1898.....	316.39	26.86	.33 9-10
1899.....	367.84	30.65	.36 12
1900.....	451.77	37.65	.41 06
1901.....	459.56	38.29	.44 1/2
1902.....	533.56	44.46	.47 1/2
1903.....	499.06	41.59	.49 1/4
1904.....	484.96	40.41	.49 1/2
1905.....	508.01	42.17	.47
1906.....	599.37	49.95	.48
1907.....	643.05	53.59	.49

WAGES PAID AND SELLING PRICE OF COAL AND COKE FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	Paid Pick Miners per Ton of 2,240 lbs.			Trackmen's Daily Wages	Selling Price of	
	Run-of-Mine.		Screened		Coal (Tons of 2,240 lbs.)	Coke (Tons of 2,000 lbs.)
	Room.	Heading	Room.			
Brooke.....	\$.66		\$ 1.00	\$ 2.54	\$ 1.15	
Hancock.....	.54		.78	2.18	1.15	
Marion.....	.44	.49		2.11	1.01	2.06
Monongalia.....	.43	.50		1.98	.94	2.22
Marshall.....	.64		.90	2.56	1.06	
Ohio.....	.63		.97	2.56	1.17	
Barbour.....	.39	.45		1.97	.89	1.90
Gilmer.....	.42				1.12	
Harrison.....	.43	.49		2.22	.95	2.00
Lewis.....	.42	.51			1.01	
Taylor.....	.36	.43		1.97	.96	
Upshur.....	.49			2.25	.84	1.80
Grant.....	.53			2.00	.98	
Mineral.....	.61			2.26	1.05	
Preston.....	.49	.60		2.27	.93	2.36
Randolph.....	.38			2.02	.70	2.00
Tucker.....	.43			2.12	1.07	2.40
Braxton.....	.43				1.00	
Olay.....	.57			1.95	1.13	
Fayette.....	Kanawha River Series			2.17	1.01	2.39
	New River Proper.....			2.18	1.25	2.87
	Loup Creek.....			2.81	1.35	2.50
Kanawha.....	.53	.56	.83	2.27	1.12	2.75
Mason.....	.63		.80	1.90	1.15	
Nicholas.....	.58		.86	2.25	1.03	
Putnam.....	.63		.73	2.09	1.25	
Greenbrier.....	.50				1.10	
Raleigh.....	.43	.48		2.38	1.25	
Lincoln.....	.56				1.09	
Logan.....	.43	.53		2.25	1.05	
Mingo.....	.45	.49		2.26	1.03	
Wayne.....	.48			1.50	.73	
McDowell.....	Pocahontas No. 3.....			2.20	1.18	2.25
	Pocahontas Thin Vein.....			2.10	1.15	2.50
Mercer.....	.40	.45		2.15	1.09	2.12
Averages.....	\$.49	\$.50	\$.85	\$ 2.16	\$ 1.05	\$ 2.29

SUMMARY OF THE WAGES PAID MACHINE MINERS, RUNNERS AND HELPERS FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY	MACHINE MINERS PAID PER				MACHINE RUNNERS		MACHINE HELPERS	
	Day.	Ton of 2,240 lbs. Run-of-Mine.		Ton of 2,240 lbs. Screened	Wages	Paid by	Wages	Paid by
		Room.	Head-ing					
Brooke	\$	\$.40	\$	\$.57	\$.06	Long Ton (Room)	\$.06	Long Ton (Room)
Hancock				.56	.12	Long Ton Room.	.11	Long Ton Room.
Marion		26	33		.14½	Long Ton Head-ing (Scr.)	.14½	Long Ton Head-ing (Scr.)
Monongalia		.26	30½		.07½	Long Ton Room.	2 12½	Day.
Marshall		.48		.58	.09	Long Ton Head-ing		
Ohio				.59	.07			
					.06			
					.12			
					.06			
					.12			
					.12			

SUMMARY OF THE WAGES PAID MACHINE MINERS, RUNNERS AND HELPERS FOR THE YEAR ENDING JUNE 30TH, 1907—CONTINUED.

COUNTY.	MACHINE MINERS PAID PER				MACHINE RUNNERS		MACHINE HELPERS	
	Day.	Ton of 2,240 lbs. Run-of-Mine.		Ton of 2,240 lbs. Screened.	Wages	Paid by	Wages	Paid by
		Room.	Head-ing.					
Barbour.....	35	41	.....	.08	Long Ton Room.	2.12½	Day.
09	Long Ton Heading.	.03	Long Ton Room.
	2.37	Day.	.07½	Long Ton Heading.
09	Long Ton Room.	2.25	Day.
	25	33	.....	.10	Long Ton Heading.	.03	Long Ton Room.
	2.44	Day.	.03	Long Ton Room.
	22	28½	.....	.04½	Long Ton Room.	2.00	Day.
	27	.....	.....	.06	Long Ton Day.	.05	Long Ton Day.
	2.50	Long Ton Room.	2.25	Long Ton Room.
	29	36	.....	.07	Long Ton Heading.	.06	Long Ton Heading.
	28	.....	.....	.11	Day.	.11	Long Ton Day.
	32	37	.....	2.50	Long Ton Room.	2.35	Long Ton Room.
	29	32	.....	.07	Long Ton Heading.	.07	Long Ton Heading.
08	Long Ton Day.	2.00	Long Ton Day.
	38	.....	.....	2.44	Long Ton Room.	2.35	Long Ton Room.
	31	.....	.....	.10	Long Ton Heading.	.27	Long Ton Heading.
	2.57	Day.	.17	Day.
	2.82	Day.	2.29	Day.

Kanawha.....	2.00	.31	.36	.64	.77	<div><div>07</div><div>00</div><div>06</div></div>	<div>Long Ton Room.</div> <div>Long Ton Heading.</div> <div>Foot Room.</div> <div>Day.</div> <div>Day.</div> <div>Day.</div> <div>Day.</div> <div>Day.</div> <div>Room.</div> <div>Day.</div> <div>Long Ton Heading.</div> <div>Day.</div> <div>Day.</div> <div>Day.</div> <div>Day.</div>	<div>06</div> <div>09</div> <div>2.24</div> <div>2.35</div> <div>2.35</div> <div>2.35</div> <div>2.13</div> <div>1.00</div> <div>2.00</div> <div>06</div> <div>2.01</div> <div>2.05</div> <div>2.02</div> <div>\$1.67</div>	<div>Long Ton Room.</div> <div>Long Ton Heading.</div> <div>Long Ton Room.</div> <div>Long Ton Room (Scr.)</div> <div>Long Ton Heading (Scr.)</div> <div>Day.</div>
Mason .....		.36				<div>2.56</div>	<div>Room.</div> <div>Day.</div>	<div>2.24</div> <div>2.35</div>	<div>Day.</div> <div>Day.</div>
Nicholas .....		.35		.47	.52	<div>2.35</div>	<div>Day.</div> <div>Day.</div>	<div>2.35</div> <div>2.35</div>	<div>Day.</div> <div>Day.</div>
Putnam						<div>2.35</div>	<div>Day.</div> <div>Day.</div>	<div>2.35</div> <div>2.35</div>	<div>Day.</div> <div>Day.</div>
Raleigh .....		.37				<div>2.87</div>	<div>Day.</div> <div>Day.</div>	<div>2.13</div> <div>1.00</div>	<div>Day.</div> <div>Room.</div>
Lincoln .....		.41	.52			<div>1.50</div>	<div>Room.</div> <div>Day.</div>	<div>2.00</div> <div>06</div>	<div>Room.</div> <div>Day.</div>
Logan .....		.31	.42			<div>2.80</div>	<div>Day.</div> <div>Long Ton Heading.</div>	<div>2.00</div> <div>06</div>	<div>Day.</div> <div>Room.</div>
Mingo .....		.28				<div>13</div>	<div>Long Ton Heading.</div> <div>Day.</div>	<div>2.01</div> <div>2.05</div>	<div>Room.</div> <div>Day.</div>
McDowell { Pocahontas No. 3 .....		.29	.33			<div>2.78</div>	<div>Day.</div> <div>Day.</div>	<div>2.05</div> <div>2.02</div>	<div>Day.</div> <div>Day.</div>
Pocahontas Thin Vein .....		.30	.36			<div>2.68</div>	<div>Day.</div> <div>Day.</div>	<div>2.02</div> <div>\$1.67</div>	<div>Day.</div> <div>Day.</div>
Mercer		\$.27	\$.	\$.	\$.	<div>\$ 2.50</div>	<div>Day.</div>		
Averages	2.00	.31	.36	.56	.62	<div>\$.07</div>	<div>Long Ton Room.</div> <div>Long Ton Heading.</div> <div>Foot Room.</div> <div>Room.</div> <div>Long Ton Room (Scr.)</div> <div>Long Ton Heading (Scr.)</div> <div>Day.</div>	<div>\$.06</div> <div>09</div> <div>.11</div> <div>.14½</div> <div>2.15</div>	<div>Long Ton Room.</div> <div>Long Ton Heading.</div> <div>Long Ton Room (Scr.)</div> <div>Long Ton Heading (Scr.)</div> <div>Day.</div>

STATEMENT OF THE TONNAGE OF COAL AND COKE FROM THE COLLIERIES IN WEST VIRGINIA, HANDLED
AND TRANSPORTED BY THE RAILROADS IN THE STATE DURING THE TWELVE MONTHS ENDING JUNE
30TH, 1907.
(Quantities are expressed in tons of 2,000 lbs.)

Name of Railroad Company	Total tons handled.		Tons Originated on the line.		Railroads and docks to which product is de- livered for distribution	Points of destination of the product	
	Coal.	Coke.	Coal.	Coke.		East.	West.
Baltimore & Ohio R. R. Company	10,014,140	611,014	9,843,983	813,1	Locust Point, Cleveland & Sandusky.	Philadelphia, Baltimore & Atlantic Coast.	Chicago, Lake points & North- west
Western Maryland R. R. W. Va. Div.	2,335,730	423,010	2,375,401	418,1	B & O R. R. P. R. R. O. & O Ry. P. & R Ry. & Md. Div. W. M. R R.	Balto. Pt. Cov- ington Piers Pt. Richm'd Pt. Reading, Elizabeth & Delaware riv- er Piers, and other points.	Chicago, St. Louis and intermediate points.
Kanawha & Michigan Ry Co ...	2,249,813	192,742	2,046,580	166,1	Hocking Val- ley & T. & O. C. Rys. and docks at Tole- do, Ohio,		
Norfolk & Western Ry Co ...	9,000,330	2,047,657	9,000,631	2,045,1	Lambert Pt. Piers, S. A. Line, So. Ry. Toledo & San- dusky docks, A. C. L., L. & N R R. & O. U. Ry.	Foreign Ports & Atlantic Coast, Va. N. & S. O points	Cincinnati, Lake Points, Chicago & Western Cities.
Chesapeake & Ohio Ry	9,005,415	456,652	9,027,965	323,	C. & O docks at Newport News, Va. & various Rys.	Coastwise, Export, New York & New England	Cincinnati, Louis- ville, Chicago, Toledo, St. Louis and other points
Coal & Coke Ry. Co	320,109	83,996	326,720	89,979	B & O. R. R. West Md. R. R., & K. & M. Ry.	Pt. Coving- ton, Pt. Read- ing Piers, Pt. Richmond, P. & R. Ry. & Penn. Ry.	Lake Points, Chicago, St. Louis and intermediate points.
Totals.	34,553,673	3,520,041	33,333,304	3,363,870			
+ Estimated							

NUMBER OF KEGS OF POWDER USED AT THE MINES, BY COUNTIES, FOR 1907.

COUNTY.	No. of opera- tions re- porting.	Tons of coal (tons of 2,240 lbs).	Kegs of powder used.	Tons per keg used.	Cost per keg to miner.
Brooke	6	486,022	4,444	109	\$ 1.55
Hancock	3	78,280	1,560	50	1.48
Marion	17	3,031,735	36,635	83	1.70
Monongalia	4	238,665	2,940	81	1.82
Marshall	3	417,165	2,550	163	1.60
Ohio	8	133,516	1,238	81	1.65
Barbour	11	673,367	10,037	67	1.63
Harrison	38	3,162,191	36,243	81	1.67
Lewis	1	5,528	400	14	1.50
Taylor	8	413,616	3,865	108	1.53
Upshur	2	31,974	536	59	1.45
Mineral	10	254,614	8,952	28	1.55
Preston	12	940,295	14,166	66	1.57
Randolph	6	609,380	9,951	61	1.66
Tucker	4	543,801	5,208	104	1.81
Braxton	2	55,774	1,119	49	1.75
Olay	4	60,252	1,910	31	1.75
Fayette	92	5,919,777	84,628	70	1.90
Kanawha	70	2,800,965	40,844	69	1.67
Mason	5	84,783	2,355	36	1.75
Nicholas	8	57,412	1,855	31	1.75
Putnam	6	401,306	10,575	38	1.75
Greenbrier	1	31,978	925	34	1.75
Raleigh	21	972,000	7,239	134	1.85
Lincoln	1	3,304	100	33	1.50
Logan	15	727,682	9,949	73	1.47
Mingo	30	1,462,441	23,518	62	1.79
Wayne	1	25,217	1,168	22	1.75
McDowell	60	6,339,019	92,690	68	1.92
Mercer	18	1,596,431	26,389	60	1.96
Totals	460	31,560,690	443,989	72	1.68

STEAM BOILERS AT MINES—1907.

COUNTY.	No. of mines having boilers.	No. of boilers insured.	No. of boilers not insured.	Total No. of boilers.
Brooke	5	7	.....	7
Hancock	1	2	.....	2
Marion	18	24	55	79
Monongalia	5	6	2	8
Marshall	5	11	1	12
Ohio	3	1	3	4
Barbour	3	19	8	27
Harrison	28	20	44	64
Taylor	7	8	2	10
Upshur	3	2	1	3
Grant	2	7	.....	7
Mineral	7	8	5	8
Preston	15	34	2	36
Randolph	5	18	.....	13
Tucker	6	20	2	22
Braxton	1	.....	1	1
Olay	1	.....	1	1
Fayette	77	162	21	189
Kanawha	76	87	38	123
Mason	4	.....	7	7
Nicholas	4	2	4	6
Putnam	7	2	14	16
Greenbrier	1	.....	1	1
Raleigh	15	38	2	40
Lincoln	1	.....	2	2
Logan	10	16	2	18
Mingo	13	40	21	61
McDowell	45	131	35	166
Mercer	17	48	6	54
Totals	385	703	278	961

SUMMARY OF THE NUMBER OF MINE LOCOMOTIVES IN THE STATE—1907.

COUNTY.	No. mines using locomotives.	Locomotives..			
		Steam.	Electric.	Comp. air	Sum total.
Brooke	5	.....	7	.....	7
Hancock	1	.....	1	.....	1
Marion	12	.....	26	.....	26
Monongalia ...	4	.....	10	.....	10
Marshall	3	.....	7	.....	7
Ohio	2	.....	2	.....	2
Barbour	7	.....	10	.....	10
Harrison	15	1	19	.....	20
Taylor	1	.....	2	.....	2
Upshur	2	.....	1	.....	1
Grant	1	.....	3	.....	3
Mineral	2	2	.....	.....	2
Preston	6	.....	13	.....	13
Randolph	2	.....	4	.....	4
Tucker	9	2	13	.....	15
Fayette	77	22	118	1	138
Kanawha	62	3	72	.....	75
Mason	1	.....	1	.....	1
Nicholas	4	.....	4	.....	4
Putnam	4	.....	5	.....	5
Raleigh	16	8	18	.....	21
Logan	6	.....	7	.....	7
Mingo	13	6	15	1	22
McDowell	57	24	75	2	101
Mercer	21	13	11	.....	24
Totals	833	76	439	4	519

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES—
1907.

NAME OF COMPANY	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp.Air.
<i>Brooke County.</i>				
The La Belle Coal Co.	Lewis No. 1		1	
Beech Bottom Coal Co.	Beech Bottom No. 1		2	
Lewis-Kindley Coal Co.	Locust Grove		1	
La Belle Iron Works.	La Belle Shaft.		2	
Rex Carbon Coal Co.	No. 1.		1	
Total.			7	
<i>Hancock County.</i>				
The Marquet Coal Co.	Nos. 4 & 5		1	
Total.			1	
<i>Marion County.</i>				
Fairmont Coal Co.	Montana		1	
"	Shaft.		1	
"	New England.		6	
"	Jaston.		2	
"	Monongah Nos. 2, 3 & 5.		3	
"	No. 6.		5	
"	No. 8.		1	
"	Anderson		1	
"	Middletown		2	
"	Chiefton.		1	
The Virginia & Pittsburg Coal & Coke Co.	King.		2	
Kilarm Coal & Coke Co.	Kilarm.		1	
Total.			26	
<i>Monongalia County.</i>				
Fairmont Coal Co.	Beechwood.		1	
Elkins Coal & Coke Co.	Richard		3	
"	Sabraton.		3	
Connellsville Basin Coke Co.	Connellsville		3	
Total.			10	
<i>Marshall County.</i>				
Hitchman Coal & Coke Co.	Hitchman.		2	
Wheeling Steel & Iron Co.	Benwood.		4	
Glendale Coal Co.	Glendale.		1	
Total.			7	
<i>Ohio County.</i>				
Richland Coal Co.	Richland		1	
Elm Grove Coal Co.	Elm Grove.		1	
Total.			2	
<i>Barbour County.</i>				
Philippi Collieries Co.	Nos. 1, 2, 3 & 4.		3	
Southern Coal & Trans. Co.	Berryburg		4	
Century Coal Co. of W. Va.	Century No. 1.		2	
Miller Coal & Coke Co.	Sara		1	
Total			10	
<i>Harrison County.</i>				
Clarksburg Fuel Co.	Fall Run.		1	
"	Two Lick.		1	
Fairmont Coal Co.	Enterprise.		2	
"	Viropa		2	
"	Gypsy		3	
"	Meadowbrook.		1	
"	Dunham.		1	
Pittsburg & Fairmont Fuel Co	Perry.		1	
Cook Coal & Coke Co.	Girard No. 1.		1	

**NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES—
1907.—Continued.**

NAME OF COMPANY.	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp. Air.
<i>Harrison County—Cont'd.</i>				
Meadowbrook Coal & Coke Co.	Erie.....		1	
Madeira-Hill-Clark Coal Co.	New Ohieftain & Randolph		2	
Hutchinson Fuel & Supply Co.	Hutchinson		1	
Pitcairn Coal Co.	Pitcairn	1	1	
Corona Coal & Coke Co.	Harold		1	
Totals		1	19	
<i>Taylor County.</i>				
Pittsvein Coal Co.	Flemington		2	
Total.			2	
<i>Upshur County.</i>				
Red Rock Fuel Co.	Nos. 1 and 2... ..		1	
Total			1	
<i>Grant County.</i>				
Davis Coal & Coke Co.	No. 22.		3	
Total... ..			3	
<i>Mineral County.</i>				
Davis Coal & Coke Co.	No. 9.....	1		
The Big Vein Coal Co. of W. Va.	Big Vein.....	1		
Total		2		
<i>Preston County.</i>				
Austen Coal & Coke Co.	Austen No. 1		2	
	No. 2.....		1	
Merchants Coal Co.	Merchants No. 2		3	
Atlantic Coal & Coke Co.	Atlantic.....		1	
Elkins Coal & Coke Co.	Bretz.		4	
	Kingwood		2	
Total			13	
<i>Randolph County.</i>				
Davis Colliery Co.	No. 1.....		2	
	No. 3.....		2	
Total			4	
<i>Tucker County.</i>				
Davis Coal & Coke Co.	No. 23		3	
.. ..	No. 25		1	
.. ..	No. 34		2	
.. ..	No. 35		1	
.. ..	No. 36		2	
.. ..	No. 37		4	
Cumberland Coal Co.	Nos. 3 and 4	1		
	No. 5.....	1		
Totals		2	13	
<i>Fayette County.</i>				
Sunday Creek Co.	No. 112.....		1	
.. ..	Nos. 114 and 114 X.		2	
.. ..	No. 115		2	
.. ..	No. 117		1	
The Columbus Iron & Steel Co.	No. 1.....		3	
Kanawha Gas Coal Co.	Kanawha Gas.....		1	
W. R. Johnson & Co.	Oakland.....		2	
Boomer Coal & Coke Co.	No. 1.....		2	

**NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES—
1907.—Continued**

		Locomotives	
		Comp	Air
Boomer Coal & Coke Co	No 2 North Side	1	
" " " "	No 2 South Side	1	
" " " "	No 3	2	
The Gauley Mountain Coal Co	Nova Scotia	4	
Gaymont Colliery Co	Gaymont	1	
Beury-New River Coal Co	Elmo	1	
Sunbury Coal & Coke Co	Sunnyside	1	
Nuttallburg Coal & Coke Co	Nuttallburg	2	
Keeneys Creek Colliery Co	Boone	1	
	Smokeless	1	
Rothwell Coal Co	Dubree	1	
Penna & New River Coal Co	Kohinoor	1	
Fire Creek Coal & Coke Co	Fire Creek	1	
Lynchburg Colliery Co	Lynchburg No 2	1	
Eureka Colliery Co	Eureka Gas No 18	1	
	Eureka Splint No 14	1	
Mecca Coal & Coke Co	Mecca No 2	1	
The Carver Bros Co	Nos. 2 & 3	1	
" " " "	No 1 & Eagle	2	
W R Johnson	Diamond	1	
The Mt Carbon Co, Ltd	No 5 Splint	1	
Great Kanawha Colliery Co	Vulcan & South	1	1
Cardiff Coal Co	Brewster	2	
Loup Creek Colliery Co	Kimberly	1	
South Side Co	Eagle & Ansted	2	
The Goshen Iron Co	South Side	1	
The Low Moor Iron Co, of Va.	Elverton	1	
Brown Coal Co	Kaymoor No 1	2	
New River Collieries Co	Brown	1	
	Red Ash No 5	2	
	Rush Run No. 4	2	
	Sun Nos 1, 2 & 3	6	
The Thurmond Coal Co	Thurmond No 1	2	
	No 2	1	
Stone Cliff Coal & Coke Co	Stone Cliff	1	
Alaska Coal & Coke Co	Alaska	1	
Ridgeview Coal Co	Ridgeview	1	
Ephraim Creek Coal & Coke Co	Buffalo	7	
Quinnimont Coal Co	Big Q	1	
Glendale Colliery Co	Glendale	1	
Greenwood Coal Co	Greenwood	2	
Hemlock Hollow Coal & Coke Co	Hemlock	1	
New River & Pocahontas Cons. Coal Co	Layland	5	
" " " "	B. No. 1	1	
" " " "	No 2	4	
" " " "	No 3	5	
" " " "	No 4	4	
" " " "	No 5	6	
The Dungen Coal Co	Dungen No 1	1	
Nichol Colliery Co	Nichol	1	
McKell Coal & Coke Co	Derryhale	2	
	Kilsyth	3	
The Star Coal & Coke Co	Star	2	
Collins Colliery Co	Collins Nos 1 & 2	5	
White Oak Fuel Co	Wingrove	1	
" " " "	Scarbro	6	
" " " "	Whipple	2	
" " " "	Carlisle	2	
" " " "	Oakwood	1	
Stuart Colliery Co	Stuart	1	
Dunn Loop Coal & Coke Co	Dunn Loop No. 1	1	
Totals		23	1
Kanawha County.			
The Campbells Creek Coal Co	Nos 1 & 2	1	
Quincy Coal Co	No. 2	1	
Sunday Creek Co	No. 101	1	

NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES—
1907.—Continued

		Locomotives.		
		Steam.	Electric.	Comp. Air.
Sunday Creek Co.	No. 106		1	
"	No. 108		1	
"	No. 109		1	
"	No. 110		1	
Kellys Creek Colliery Co	No. 1		1	
"	No. 8		1	
"	No. 8½		1	
Hughes Creek Coal Co	Hughes Nos. 2 & 3		1	
Cannelton Coal Co	No. 2		1	
The Marmet Coal Co	Monarch Nos. 1 & 2		1	
"	Butler		1	
Black Band Coal & Coke Co.	No. 1		1	
Winifrede Coal Co	Gas		1	
"	North		1	
"	West		1	
Coalburg Colliery Co	Ronda		1	
Dry Branch Coal Co	Belmont & Coalburg		1	
Wyatt Coal Co	Oakley		1	
"	Berlin		1	
Wake Forest Mining Co.	Wake Forest		1	
Lamont Mining Co.	No. 1 & 8		1	
Carbon Coal Co	South		1	
"	No. 8		1	
Republic Coal Co	No. 1		1	
"	No. 2		1	
"	No. 8		1	
West Virginia Colliery Co.	No. 2		1	
Cabin Creek Cons. Coal Co	Shamrock		1	
"	Belleclare		1	
"	Keystone		1	
"	Empire		1	
"	Davis		1	
"	Red Warrior		1	
"	Cherokee		1	
"	Raccoon		1	
"	United Gas		1	
"	Kayford		1	
Belmont Coal Co.	New Coalburg		1	
Equitable Coal Co	No. 8		1	
Paint Creek Collieries Co.	Knickerbocker	1		
"	Seranton		1	
"	Paint Creek		1	
"	Groes No. 2		1	
"	Nuckolls	1		
"	Banner No. 1		1	
Standard Splint & Gas Coal Co	Standard		1	
Imperial Colliery Co	No. 1		1	
"	No. 2		1	
Chesapeake Mining Co	No. 1		1	
"	Nos. 2 & 3	1		
Montgomery Coal Co.	Kanawha		1	
Morris Creek Coal Co.	Morris Creek		1	
Totals				
Mason County.				
Consumers Coal & Mining Co.	Camden			
Total				
Nicholas County.				
Bell Creek Coal Co.	Bell Creek			
The Columbus Coal Co	No. 1			
Kentucky Coal & Lumber Co.	Cambria			
"	Mt. Carmel			
Total				

**NUMBER AND KINDS OF LOCOMOTIVES IN USE AT THE MINES—
1907.—Continued**

NAME OF COMPANY.	NAME OF MINE.	Locomotives.		
		Steam.	Electric.	Comp. Air
<i>McDowell County.—Cont'd.</i>				
Keystone Coal & Coke Co.....	Keystone Nos. 1 & 2.....		1	
Lynchburg Coal & Coke Co.	Lynchburg..	2		
Powhatan Coal & Coke Co.....	Powhatan.....	2		
Upland Coal & Coke Co.....	Nos. 1 & 2.....		1	
Houston Coal & Coke Co.....	Nos. 1 & 2.....		3	
Crozer Coal & Coke Co.....	No. 1.....		2	
	No. 2.....		1	
Turkey Gap Coal & C. Co.....	Turkey Gap.....	2		
Big Sandy Coal & Coke Co.....	Big Sandy.....		2	
	Marytown.....		2	
Twin Branch Mining Co.....	Twin Branch.....		1	
J. B. B. Collieries Co.....	J. B. B. No. 2.....		1	
" " " " " ".....	" " " " 3.....		1	
" " " " " ".....	" " " " 4.....		2	
" " " " " ".....	" " " " 5.....		2	
Superior-Pocahontas Coal Co.....	No. 1.....		1	
United States Coal & Coke Co.....	No. 1.....		2	
" " " " " ".....	No. 2.....		2	
" " " " " ".....	No. 3.....		3	
" " " " " ".....	No. 4.....		1	
" " " " " ".....	No. 5.....		1	
" " " " " ".....	No. 6.....		3	
" " " " " ".....	No. 7.....		2	
Mohawk Coal & Coke Co.....	Mohawk.....	1		
Page Coal & Coke Co.....	Nos. 1 & 2.....		3	
The Middle States Coal & Coke Co.....	No. 11.....		4	
New River & Pocahontas Con. Coal Co.....	No. 1.....		2	
" " " " " ".....	No. 1½.....		3	
" " " " " ".....	No. 2.....		1	
Totals.....		24	75	2
<i>Mercer County.</i>				
Mill Creek Coal & Coke Co.....	Mill Creek.....	2	1	
Coaldale Coal & Coke Co.....	Coaldale.....		1	
Buckeye Coal & Coke Co.....	Buckeye.....	2		
Pocahontas Cons. Collieries Co.....	Caswell Creek.....	4		
Booth-Bowen Coal & Coke Co.....	Booth-Bowen.....	1		
Louisville Coal & Coke Co.....	Louisville 1, 2 & 3 Goodwill & Baby.....		2	
Pinnacle Coal & Coke Co.....	South & North.....		1	
Orane Creek Coal & Coke Co.....	Nos. 1 & 2.....		2	
Crystal Coal & Coke Co.....	Crystal.....		1	
Thomas Coal Co.....	Thomas....	1		
The Weyanoke Coal & Coke Co.....	Weyanoke.....		1	
Spring Coal Mining Co.....	Spring.....	1		
Piedmont Colliery Co.....	No. 1.....	1		
Wenonah Coal & Coke Co.....	Wenonah.....		2	
Hiawatha Coal & Coke Co.....	Hiawatha.....	1		
Totals.....		18	11	

TABLE GIVING THE NUMBER OF MINE OPENINGS; NUMBER OF COKE OVENS; ACRES OF COAL WORKED OUT; NUMBER OF MULES AND HORSES USED AT THE MINES; NUMBER OF MEN KILLED AND INJURED, AND KIND OF VENTILATION FOR THE YEAR ENDING JUNE 30TH, 1907.

COUNTY.	No. of Mine Open- ings.	Total No. of Coke Ovens.	Acres of Coal work- ed out from Com- mercial Mines.	No. of Men Killed.	No. of men Injured non-fatal.	No. of Horses and Mules used at Mines.	No. of Fans.	No. of Furnaces.	No. of Natural Ventilation.	Fire Baskets, Air- shafts, Stacks, etc.
Brooke.....	6	.....	89.34	1	9	36	4	2	.....	.....
Hancock.....	4	.....	17.86	.....	.....	9	.....	2	.....	.....
Marion.....	24	826	521.76	14	40	296	21	2	1	.....
Monongalia.....	7	441	45.65	1	5	22	3	.....	3	.....
Marshall.....	7	.....	87.01	5	5	40	6	.....	.....	.....
Ohio.....	9	.....	22.50	2	.....	24	5	3	1	.....
Barbour.....	22	227	112.61	.....	7	106	9	4	1	.....
Gilmer.....	1	.....	.....	.....	.....	1	.....	1	.....	5
Harrison.....	67	262	397.88	8	52	397	40	1	.....	.....
Lewis.....	3	.....	1.00	.....	.....	1	.....	1	.....	.....
Taylor.....	15	30	45.14	1	.....	47	2	1	2	.....
Upshur.....	5	82	7.77	12	1	1	2	1	.....	.....
Grant.....	8	.....	43.04	.....	4	27	3	.....	.....	.....
Mineral.....	19	.....	84.54	1	45	73	6	6	5	.....
Preston.....	24	876	205.65	4	10	142	15	4	1	.....
Randolph.....	27	520	67.44	2	12	48	3	3	.....	.....
Tucker.....	12	717	152.82	25	50	108	9	.....	1	.....
Braxton.....	5	.....	.....	.....	.....	12	.....	5	.....	.....
Olay.....	4	.....	11.81	.....	.....	24	1	2	1	.....
Fayette.....	143	3,200	983.57	132	21	1,443	89	22	27	.....
Kanawha.....	144	90	785.74	22	43	889	94	40	11	.....
Mason.....	7	.....	17.34	1	4	86	4	2	1	.....
Nicholas.....	8	.....	11.19	1	1	25	3	5	.....	.....
Putnam.....	10	.....	58.25	1	.....	75	10	1	.....	.....
Greenbrier.....	1	.....	6.66	.....	.....	4	1	.....	.....	.....
Raleigh.....	30	62	209.42	7	4	268	18	6	4	.....
Lincoln.....	4	.....	8.80	.....	.....	5	.....	2	.....	.....
Logan.....	18	.....	84.62	5	2	72	8	2	.....	.....
Mingo.....	48	.....	233.39	9	6	386	12	9	1	.....
Wayne.....	1	.....	6.00	.....	.....	7	.....	1	.....	.....
McDowell.....	102	9,812	1,112.10	90	106	1,013	77	17	8	.....
Mercer.....	28	1,846	303.42	11	20	297	21	2	1	.....
Totals.....	788	18,941	5,779.72	856	449	5,915	466	186	67	15

IMPROVEMENTS.

IMPROVEMENTS REPORTED MADE AT THE MINES DURING THE
YEAR ENDING JUNE 30TH, 1907

COUNTY.	New Plants.	Power Plants.	Coke Ovens.	Fans.	Furnaces.	Tipples.	Additional Openings.	Totals.
Brooke	1	1	25	1	1	1	1	11
Marion	1	1	25	1	1	1	1	26
Barbour	1	2	1	1	1	1	1	7
Gilmer	1	1	1	1	1	1	1	2
Harrison	4	1	1	1	1	1	1	10
Lewis	1	1	1	1	1	1	1	4
Taylor	1	1	1	1	1	1	1	3
Mineral	1	1	1	1	1	1	1	1
Preston	1	1	1	1	1	1	1	4
Tucker	1	1	1	1	1	1	1	1
Braxton	1	1	1	1	1	1	1	4
Olay	1	1	1	1	1	1	1	2
Fayette	5	9	52	7	10	1	1	84
Kanawha	7	5	1	2	7	2	2	23
Mason	1	1	1	1	1	1	1	2
Nicholas	1	1	1	1	1	1	1	1
Raleigh	4	1	1	5	7	1	1	18
Logan	2	3	1	2	2	1	1	10
Mingo	4	9	1	4	1	1	1	27
McDowell	1	1	1	5	1	2	1	9
Mercer	1	1	1	1	1	1	1	1
Totals	86	30	77	29	1	56	12	241

STRIKES. .

**SUMMARY OF THE STRIKES AT COAL MINES IN WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

1

STRIKES AT THE COAL MINES IN WEST VIRGINIA FOR THE YEAR ENDING JUNE 30TH, 1907.

1

2

***SUMMARY OF THE STRIKES AT COAL MINES IN WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.***

STRIKES AT THE COAL MINES IN WEST VIRGINIA FOR THE YEAR ENDING JUNE 30TH, 1907.

Name of Mine.	Total employees before strike.	Total employees for whom strike was undertaken.	Total employees thrown out of employment by strike.	Date of		Were works closed in consequence.	Length of time closed. (Working days.)	Cause or object of strike.	How was strike settled.	Loss to Employees.	Loss to Operators.
				Beginning.	Termination.						
Marshall County. Boggs Run. . .	65	65	60	July 1, 1906	Sept. 16, 1906	Yes	66	Miners wanted higher pay.....	Compromised	\$ 6,000	\$ 1,000
Kanawha County Sunday Creek No. 105.....	241	150	204	Mar. 16, 1907	Mar. 31, 1907	Yes	13	Miners thought percentage of fine coal too small.....	Agreed to same conditions...	.....	.....
Brooke County. Locust Grove....	230	4	210	Mar. 20, 1907	Apr. 22, 1907	Part	....	Interference of union with out-side labor.	Returned on Company's terms	14,000	6,000
Harbour County. Arden	60	1	60	Apr. 23, 1907	Apr. 28, 1907	Yes	3	Demand of men to employ a man who had not worked for us for two years.....	Took the man.....	250.	.....

DIRECTORY OF THE MINES.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
Brooke County.					
1	*First.	Gilchrist.	drift	A. Gilchrist & Sons' Coal Co.	Wellsburg.
2	"	Lewis No. 1.	drift	The LaBelle Coal Co.	Wellsburg.
3	"	Beech Bottom No. 1.	drift	Beech Bottom Coal Co.	Wellsburg.
4	"	Locust Grove.	drift	Lewis-Findley Coal Co.	Colliers.
5	"	LaBelle.	shaft	LaBelle Iron Works.	Steubenville, O.
6	"	No. 1.	drift	Rex Carbon Coal Co.	Avella, Pa.
Hancock County.					
7	First.	Porter No. 1.	drift	M. M. Cullen.	New Cumberland.
8	"	a No. 1.	drift	The Marquet Coal Co.	New Cumberland.
9	"	No. 4.	drift	The Marquet Coal Co.	New Cumberland.
10	"	No. 5.	drift	The Marquet Coal Co.	New Cumberland.
Marion County.					
11	First.	Murray.	drift	Fairmont Coal Co.	Fairmont.
12	"	Montana.	drift	Fairmont Coal Co.	Fairmont.
13	"	Shaft.	shaft	Fairmont Coal Co.	Fairmont.
14	"	New England.	drift	Fairmont Coal Co.	Fairmont.
15	"	Gaston.	drift	Fairmont Coal Co.	Fairmont.
16	"	Monongah No. 2.	slope	Fairmont Coal Co.	Fairmont.
17	"	Monongah No. 3.	drift	Fairmont Coal Co.	Fairmont.
18	"	Monongah No. 5.	drift	Fairmont Coal Co.	Fairmont.
19	"	Monongah No. 6.	slope	Fairmont Coal Co.	Fairmont.
20	"	Monongah No. 8.	drift	Fairmont Coal Co.	Fairmont.
21	"	Pennois.	drift	Fairmont Coal Co.	Fairmont.
22	"	a Marion.	drift	Fairmont Coal Co.	Fairmont.
23	"	Anderson.	drift	Fairmont Coal Co.	Fairmont.
24	"	Highland.	drift	Fairmont Coal Co.	Fairmont.
25	"	Middleton.	drift	Fairmont Coal Co.	Fairmont.
26	"	Ohiefton.	drift	Fairmont Coal Co.	Fairmont.
27	"	Hutchinson.	slope	Fairmont Coal Co.	Fairmont.
28	"	King.	drift	Virginia & Pittsburg Coal & Coke Co.	Fairmont.
29	"	Chatham No. 1.	shaft	Georges Creek Coal & Iron Co.	Farmington.
30	"	b Chatham No. 2.	shaft	Georges Creek Coal & Iron Co.	Farmington.
31	"	Federal No. 1.	shaft	Federal Coal & Coke Co.	Fairmont.
32	"	Stafford.	shaft	New Central Coal Co.	Fairmont.
33	"	Kilarm.	drift	Kilarm Coal & Coke Co.	Everson.
34	"	Parker Run.	drift	Parker Run Coal & Coke Co.	Fairmont.
Monongalia County.					
35	First.	Opekiska.	drift	Opekiska Coal & Coke Co.	Opekiska.
36	"	Beechwood.	drift	Fairmont Coal Co.	Fairmont.
37	"	Richard No. 1.	drift	Elkins Coal & Coke Co.	Morgantown.
38	"	Sabraton No. 5.	drift	Elkins Coal & Coke Co.	Morgantown.
39	"	Connellsville.	drift	Connellsville Basin Coke Co.	Richard.
40	"	Great Scott.	drift	The Great Scott Coal & Coke Co.	Morgantown.
41	"	b Round Bottom.	drift	Niagara Coal & Coke Co.	Morgantown.
Marshall County.					
42	First.	Hitchman.	slope	Hitchman Coal & Coke Co.	Wheeling.
43	"	Boggs Run.	drift	Boggs Run Mining & Manufacturing Co.	Wheeling.
44	"	Benwood.	drift	Wheeling Steel & Iron Co.	Wheeling.
45	"	Glendale.	shaft	Glendale Coal Co.	Glendale.
46	"	Mound City.	shaft	Clearfield & Ohio River Coal Co.	Moundsville.
47	"	Glen Easton.	shaft	The Glen Easton Coal & Coke Co.	Moundsville.
48	"	c.	shaft	Bituminous Coal Co. of America.	Moundsville.

*First District, Edward V. Byrne, Inspector. a Abandoned. b Idle during the year. c Just being developed.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintend- ent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thick- ness. Ft. In.	Kind of Ventilation.	Total Inside employees.	No.
Alexander Gilchrist..	Wm. Gilchrist.....	Pgh. No. 8	5 - 0..	furnace..	55	1
O. L. Marquet.	Wilson Holmes.....	Pgh. No. 8	5 - 0	furnace...	54	2
Elmer Hough.	J. R. Patrick.....	Pgh. No. 8	5 - 6..	fan.....	88	3
E. H. Lacey.	Harry Cole.	Pgh. No. 8	4 - 8	fan.....	190	4
P. J. Harrigan.....	Wm. Lafferty.....	Lo. Fre'pt	3 - 10	fan.	104	5
J. D. Oribbs	H. E. Cooley	Pittsburg	5 - 0.	fan.....	88	6
Paul S. Oullen.....	James McDowell	No. 6	8 - 8..	furnace..	8	7
O. F. Wagoner.....	.....	No. 7a..	8 - 8..	.....	.....	8
O. F. Wagoner.....	Wm. Gillmore.....	No. 7a..	8 - 6..	furnace..	64	9
O. F. Wagoner.....	Wm. Lidyard.....	No. 7a..	4 - 0..	furnace..	11	10
J. H. Bainbridge.....	D. H. Satterfield.....	Pittsburg	7 - 0..	natural...	78	11
O. E. Gaskill.....	W. M. Gaskill.....	Pittsburg	7 - 0..	fan.	148	12
J. J. Brennan	S. R. Fetty.....	Pittsburg	7 - 0..	fan.....	213	13
H. O. Ash.	B. G. Ash	Pittsburg	7 - 0..	fan.....	280	14
H. O. Ash	P. O. Vernon.....	Pittsburg	7 - 0..	fan.....	185	15
A. J. Ruckman.	Elza Levell.....	Pittsburg	7 - 0..	fan.....	174	16
A. J. Ruckman.....	Elza Levell	Pittsburg	7 - 0..	fan.....	174	17
A. J. Ruckman.....	Elza Levell.....	Pittsburg	7 - 0..	fan.....	174	18
A. J. Ruckman.....	Thos. Donlin	Pittsburg	7 - 0..	fan.....	174	19
A. J. Ruckman.....	John McGraw.....	Pittsburg	7 - 0..	fan.....	214	20
Rush Miller.....	John Riggins.....	Pittsburg	7 - 0..	fan.....	117	21
Rush Miller.....	Henry Winning.....	Pittsburg	7 - 0..	furnace..	5	22
Rush Miller.....	Milton Coburn.....	Pittsburg	7 - 0..	fan.....	180	23
Rush Miller.....	John Prunty.....	Pittsburg	7 - 0..	2 fans.....	187	24
Rush Miller.....	Bland Courtney	Pittsburg	7 - 0..	fan.....	109	25
Rush Miller.....	L. E. Henderson	Pittsburg	7 - 0..	fan.....	180	26
G. W. Fleming.....	Thos. Burlock.....	Pittsburg	7 - 0..	fan.....	61	27
R. M. Hite	John Brown.....	Pittsburg	9 - 0..	fan.....	191	28
R. L. Somerville, G. M.	M. E. Queenon.....	Pittsburg	9 - 0..	fan.....	330	29
James Duitch .....	.....	Sewickly	6 - 5..	.....	.....	30
F. O. Lewis	Thomas Wardle.....	Pittsburg	9 - 0..	fan.....	180	31
Duncan Sinclair.....	Thomas Glenson.....	Pittsburg	6 - 0..	fan.....	94	32
O. E. Zeek.....	D. A. Wilson	Pittsburg	5 - 9..	fan.....	51	33
J. H. Martin.....	W. O. Martin.....	Sewickly	6 - 8..	furnace...	23	34
W. S. Wood	M. D. Murray.....	Pittsburg	7 - 8..	natural...	28	35
H. S. Toothman	Walter Rowe	Pittsburg	7 - 0..	natural...	.....	36
J. B. Hanford.....	O. T. Barnard.....	Up. Fre'pt	4 - 0..	fan.....	108	37
J. B. Hanford	U. R. Smith.....	Pittsburg	7 - 8..	fan.....	50	38
E. F. Saxman, G. M.	Dennis Connelly.....	Up Fre'pt	4 - 0..	fan.....	111	39
Alex H. Talt.....	A. G. Talt	Pittsburg	9 - 0..	natural..	6	40
.....	.....	Pittsburg	9 - 0..	.....	.....	41
W. H. Koch	E. O. Picket.....	Pitts No. 8	5 - 6	fan.....	224	42
Philip Kunz	Eugene Miller.....	Pitts No. 8	5 - 6..	fan.....	58	43
Obalkley Dawson.....	Wm. Turnbull	Pitts. No. 8	5 - 8..	fan.....	101	44
W. H. Koch	George Robson.....	Pitts. No. 8	5 - 8..	fan.....	78	45
R. Y. Williams.....	Frank Klegg.....	Pitts. No. 8	5 - 8..	fan.....	49	46
Geo. W. Gehres.....	Wm. Fox.....	Pitts. No. 8	5 - 0..	fan.....	48	47
O. K. Ward.....	.....	.....	.....	.....	.....	48

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
Ohio County.					
49	First.	Central	drift	Jochum & Company	Wheeling
50	"	Richland	drift	Richland Coal Co.	Wheeling
51	"	Elm Grove	shaft	The Elm Grove Coal Co.	Elm Grove
52	"	Manchester	drift	Reymann Brewing Co.	Wheeling
53	"	Wheeling Steam	drift	Wheeling Steam Coal Co.	Wheeling
54	"	Carter	drift	Whitaker-Glessner Co.	Wheeling
55	"	LaBelle	drift	LaBelle Iron Works	Steubenville, O.
56	"	Oreighton	slope	J. S. Oreighton	Elm Grove
57	"	Storch	drift	Peter Storch & Sons	Edgington Lane
Barbour County.					
58	Second	No. 4	drift	Davis Colliery Co.	Elkins
59	"	No. 1	drift	Philippi Collieries Co.	Meriden
60	"	No. 2	drift	Philippi Collieries Co.	Meriden
61	"	No. 3	drift	Philippi Collieries Co.	Meriden
62	"	No. 4	drift	Philippi Collieries Co.	Meriden
63	"	No. 5	drift	Philippi Collieries Co.	Meriden
64	"	Arden	drift	Tygarts River Coal Co.	Arden
65	"	Berryburg	drift	Southern Coal & Transportation Co.	Fairmont
66	"	Laurel Creek	drift	Laurel Creek Coal Co.	Grafton
67	"	Century No. 1	shaft	Century Coal Co. of West Virginia	Century
68	"	Century No. 2	drift	Century Coal Co. of West Virginia	Century
69	"	Lillian No. 1	drift	Grafton Fuel Co.	Grafton
70	"	Lillian No. 2	drift	Grafton Fuel Co.	Grafton
71	"	bLillian No. 3	drift	Grafton Fuel Co.	Grafton
72	"	Adma	drift	The Pennsylvania Coal & Mining Co.	Belington
73	"	No. 3	drift	Davis Coal & Coke Co.	Weaver
74	"	No. 4 or Dartmoor	slope	Davis Coal & Coke Co.	Weaver
75	"	Sara	drift	Miller Coal & Coke Co.	Junior
76	"	bVolga	shaft	Pennsylvania Fuel Co.	Volga
77	"	Midland	shaft	Midland Coal & Coke Co.	Philippi
78	"	bValley	drift	Valley Coal & Coke Co.	Lehigh
79	"	bClements	drift	Clements Coal & Coke Co.	Scottdale, Pa.
Gilmer County.					
80	Second	Gilmer No. 1	drift	The Cosmopolitan Coal & Coke Co.	Emart
Harrison County.					
81	Second	Pinnacle	drift	Clarksburg Fuel Co.	Fairmont
82	"	Fall Run	drift	Clarksburg Fuel Co.	Fairmont
83	"	Dixie	drift	Clarksburg Fuel Co.	Fairmont
84	"	Two Lick	drift	Clarksburg Fuel Co.	Fairmont
85	"	bInterstate No. 1	drift	Clarksburg Fuel Co.	Fairmont
86	"	Interstate No. 2	drift	Clarksburg Fuel Co.	Fairmont
87	"	O'Neill	drift	Clarksburg Fuel Co.	Fairmont
88	"	dDespard	drift	Clarksburg Fuel Co.	Fairmont
89	"	Enterprise	slope	Fairmont Coal Co.	Fairmont
90	"	Viropa	drift	Fairmont Coal Co.	Fairmont
91	"	Ehlen	drift	Fairmont Coal Co.	Fairmont
92	"	Shinns Run No. 3	drift	Fairmont Coal Co.	Fairmont
93	"	cRobinson Run	drift	Fairmont Coal Co.	Fairmont
94	"	Solon	drift	Fairmont Coal Co.	Fairmont
95	"	Gypsy	drift	Fairmont Coal Co.	Fairmont
96	"	Harbert	drift	Fairmont Coal Co.	Fairmont
97	"	bMaulsby	drift	Fairmont Coal Co.	Fairmont
98	"	Meadowbrook No. 1	drift	Fairmont Coal Co.	Fairmont
99	"	Meadowbrook No. 2	drift	Fairmont Coal Co.	Fairmont
100	"	Globe	drift	Fairmont Coal Co.	Fairmont
101	"	Dunham	drift	Fairmont Coal Co.	Fairmont
102	"	Lynch	drift	Fairmont Coal Co.	Fairmont

o Second District, Frank E. Parsons, Inspector. *b* Idle during the year. *c* Just being developed. *d* Being reopened.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintend- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation	Total inside employees	No.
John Jochum.....	John Jochum ..	Pittsburg	4 - 8..	furnace...	2	49
P. L. Evans.....	O. Aiken.....	Pitts.No.8	5 - 6..	fan.....	150	50
J. B. Chambers.....	Pete Lowther.....	Pitts.No.8	6 - 0..	fan.....	39	51
O. O. Schmidt.....	John Donahue.....	Pittsburg	4 - 6..	fan.....	10	52
Paul Leonard.....	Al. Rose.....	Pitts.No.8	4 - 8..	furnace...	44	53
W. H. Kaslay.....	W. H. Magruder.....	Pittsburg	4 - 10..	fan.....	24	54
P. J. Harrigan.....	J. Blondin.....	Pitts.No.8	5 - 6..	furnace...	7	55
J. S. Creighton.....	Daniel Shaw.....	Pitts.No.8	5 - 8..	fan.....	6	56
Peter Storch.....	Peter Storch.....	Pittsburg	5 - 0..	natural...	5	57
H. O. Haskins.....	G. M. Knaggs.....	Up Free.	5 - 0..	fan.....	73	58
O. D. Strader.....	T. M. McDonell.....	Up Free.	5 - 6..	} fan.....	80	59
O. D. Strader.....	T. M. McDonell.....	Up Free.	5 - 6..			60
O. D. Strader.....	Jno. McDonell.....	Up Free.	5 - 6..			61
O. D. Strader.....	Jno. McDonell.....	Up Free.	5 - 6..			62
O. D. Strader.....	T. O. Hulton.....	Mahoning	4 - 0..	fur. & sht.	23	63
Chas. A. Cook.....	Howard V. Hoffman.	Up Free.	6 - 0..	fan.....	42	64
W. W. Ferguson ..	Lee Cotrill.....	Pittsburg	7 - 0..	fan.....	225	65
W. S. Brydon.....	O. B. Tremble.....	Up Free.	5 - 9..	fire bask't	20	66
John Strother.....	Ed. Williams.....	Red Stone	5 - 6..	fan.....	202	67
John Strother.....	Ed. Williams.....	Red Stone	5 - 8..	furnace...	13	68
W. S. Brydon.....	Geo. L. Campbell....	Mahoning	4 - 0..	fire bask't	} 36	69
W. S. Brydon.....	Geo. L. Campbell....	Up Free.	6 - 0..	fire bask't		70
W. S. Brydon.....	Geo. L. Campbell....	Lo. Free.	....	....		71
H. M. Wetzel	John Ensminger.....	Freeport	6 - 6	furnace...	22	72
M. L. Garbey.....	J. A. Lake.....	Up Free.	5 - 0..	natural...	20	73
M. L. Garbey.....	J. L. Jeffreys.....	Up Free.	5 - 4..	furnace...	12	74
J. W. S. Miller.....	Wm. Kooser.....	Up Free.	5 - 0..	fan.....	17	75
W. S. Shrader.....	D. E. Brown.....	Mahoning	4 - 8..	fan.....	.....	76
H. M. Crawford... ..	G. W. Dawson.....	Up Free.	5 - 6..	fan.....	51	77
F. A. Coleman.....	.....	Up Free.	6 - 10..	fan....	.....	78
W. P. Hurst.....	.....	Lo. Free.	7 - 2..	fire bask't	.....	79
Nicholas Cole.....	Joseph Chadwick.....	Pittsburg	7 - 0..	furnace...	5	80
J. H. Nuzum.....	Thomas Pollock.....	Pittsburg	7 - 0..	fan.....	226	81
H. H. Watson.....	E. G. Vincent.....	Pittsburg	7 - 0..	fan....	61	82
G. W. Eliason.....	G. W. Eliason.....	Pittsburg	7 - 0..	furnace...	18	83
Lowell Childs.....	Charles Gandy.....	Pittsburg	7 - 0..	fan....	80	84
Lowell Childs.....	B. H. Monroe.....	Pittsburg	.....	.....	.....	85
Lowell Childs.....	Jesse I. Thomas.....	Pittsburg	7 - 0..	fan....	74	86
J. R. Elsess	S. S. Schrader.....	Pittsburg	5 - 0..	2 fans.....	80	87
J. H. Nuzum .....	.....	Pittsburg	.....	.....	.....	88
G. W. Fleming.....	Thomas Smith.....	Pittsburg	7 - 0..	fan.....	141	89
G. W. Fleming.....	Wm. P. Wallace.....	Pittsburg	7 - 0..	fan.....	68	90
Thomas Jarrett Jr...	James Johnson.....	Pittsburg	7 - 0..	fan.....	} 91	91
Thomas Jarrett Jr...	James Johnson.....	Pittsburg	7 - 0..	fan.....		92
G. W. Fleming.....	.....	Pittsburg	.....	.....	.....	93
Thos. Jarrett Jr.....	G. B. Skinner.....	Pittsburg	7 - 0..	fan.....	61	94
O. F. Ice.....	Bert Russell.....	Pittsburg	7 - 0..	fan.....	} 135	95
C. F. Ice.....	Bert Russell.....	Pittsburg	7 - 0..	fan.....		96
O. F. Ice.....	Bert Russell.....	Pittsburg	7 - 0..	.....		97
P. B. Robinson.....	C. D. Powell.....	Pittsburg	7 - 0..	2 fans.....	} 121	98
P. B. Robinson.....	C. D. Powell.....	Pittsburg	7 - 0..	natural...		99
H. H. Watson.....	P. J. McAndrews.....	Pittsburg	7 - 0..	fan.....	40	100
H. H. Watson.....	S. W. Lewis.....	Pittsburg	7 - 0..	fan.....	56	101
Lowell Childs.....	Wm. Wagner	Pittsburg	7 - 0..	fan.....	80	102

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening	Name of Company.	Post Office Address.
Harrison Co. Con.					
103	Second	West Fork	drift	Fairmont Coal Co.	Fairmont
104	"	Reynoldsville	drift	Fairmont Coal Co.	Fairmont
105	"	Columbia	drift	Fairmont Coal Co.	Fairmont
106	"	Ocean	drift	Fairmont Coal Co.	Fairmont
107	"	Riverdale	drift	Fairmont Coal Co.	Fairmont
108	"	bMelrose	drift	Fairmont Coal Co.	Fairmont
109	"	bGlen Falls	drift	Fairmont Coal Co.	Fairmont
110	"	bLydia	drift	Fairmont Coal Co.	Fairmont
111	"	Perry Nos. 1 and 2	2 drifts	Pittsburg & Fairmont Fuel Co.	Fairmont
112	"	Coaling Station	drift	Pittsburg & Fairmont Fuel Co.	Fairmont
113	"	Pooz	drift	Pittsburg & Fairmont Fuel Co.	Fairmont
114	"	Lucas	drift	Pittsburg & Fairmont Fuel Co.	Fairmont
115	"	Fairmore	drift	Fairmont & Baltimore Coal & Coke Co.	Adamston
116	"	Girard No. 1	drift	Cook Coal & Coke Co.	Clarksburg
117	"	No. 2	drift	Cook Coal & Coke Co.	Clarksburg
118	"	Erie	drift	Meadow Brook Coal & Coke Co.	Fairmont
119	"	Waldo	drift	Madeira-Hill-Clark Coal Co.	Fairmont
120	"	Goff	drift	Madeira-Hill-Clark Coal Co.	Fairmont
121	"	New Chieftain	drift	Madeira-Hill-Clark Coal Co.	Fairmont
122	"	Randolph	drift	Madeira-Hill-Clark Coal Co.	Fairmont
123	"	Cook	drift	Cook & Hart Coal Co.	Fairmont
124	"	Rosebud	drift	Rose-Bud Coal Co.	Rosebud
125	"	Hutchinson No. 1	drift	Hutchinson Fuel & Supply Co.	Fairmont
126	"	Hutchinson No. 2	drift	Hutchinson Fuel & Supply Co.	Fairmont
127	"	Phoenix	slope	Summit Coal & Coke Co.	Clarksburg
128	"	O'Gara	slope	O'Gara Coal Mining Co.	Clarksburg
129	"	Marshall	drift	Marshall Coal Co.	Mt. Olare
130	"	Pitcairn	drift	Pitcairn Coal Co.	Clarksburg
131	"	Harold	drift	Corona Coal & Coke Co.	Clarksburg
132	"	cNos. 1 and 2	2 drifts	Washington Fuel Co.	Wilsonburg
133	"	Girard No. 2	drift	Short Line Coal Co.	Dola
134	"	National	drift	National Coal Co.	Dola
135	"	cDola	drift	Fayette Coal Co.	Dola
136	"	Moore	drift	Central Fairmont Coal Co.	Clarksburg
137	"	cNaomi	drift	Jane Lew Coal Co.	Jane Lew
138	"	cVincent	drift	Vincent Coal & Coke Co.	Clarksburg
139	"	cHero	drift	Hero Coal Co.	Lumberport
140	"	cMonroe	drift	Monroe Colliery Co.	Rosebud
141	"	cBlue Ridge	drift	Blue Ridge Coal Co.	Lumberport
142	"	cWillard Nos. 1, 2 & 3	3 drifts	Virginia-Maryland Coal Corporation	Mudlick
Lewis County.					
143	Second	Sarah B. No. 1	drift	Jacksonville O. & O. Co.	Jacksonville
144	"	cSarah B. Nos. 2 & 3	2 drifts	Jacksonville O. & O. Co.	Jacksonville
Taylor County.					
145	Second	Sand Lick	drift	Grafton Coal & Coke Co.	Grafton
146	"	Flemington	drift	Pittsvein Coal Co.	Flemington
147	"	Brydon	drift	L. B. Brydon	Grafton
148	"	T. B. Davis	drift	Davis Coal Mining Co.	Grafton
149	"	No. 41	drift	Davis Coal & Coke Co.	Simpson
150	"	Rosemont	drift	Rosemont Coal Co.	Tyrconnell

b Idle during the year. c Just being developed.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thick- ness. Ft. In.	Kind of Ventilation.	Total inside employees.	No
Lowell Childs.....	Joseph M. Matheny..	Pittsburg	7 - 0..	furnace...	12	108
J. R. Elsess.....	Brooks Patton.....	Pittsburg	6 - 0..	fan.....	28	104
A. W. Rapp.....	Ralph Brown.....	Pittsburg	7 - 0..	fan.....	94	105
K. D. Bailey.....	U. B. Blakesmith....	Pittsburg	7 - 0..	fan.....	106	106
G. W. Fleming.....	Maurice Beedle.....	Pittsburg	7 - 0..	fan.....	28	107
G. W. Fleming.....	.....	Pittsburg	.....	.....	.....	108
H. H. Watson.....	.....	Pittsburg	.....	.....	.....	109
J. O. Brooks.....	.....	Pittsburg	.....	.....	.....	110
L. W. Smith.....	A. V. Morgan.....	Pittsburg	6 - 0..	2 fans.....	101	111
L. W. Smith.....	A. L. Hord.....	Pittsburg	7 - 0..	fan.....	50	112
A. C. Ice.....	N. H. Hacker.....	Pittsburg	7 - 0..	fan.....	84	113
A. C. Ice.....	John Walters.....	Pittsburg	7 - 0..	fan.....	55	114
A. L. White.....	T. J. Westmoreland..	Pittsburg	7 - 6..	fan.....	82	115
B. H. Monroe.....	E. I. Worcester.....	Pittsburg	8 - 0..	fan.....	63	116
B. H. Monroe.....	E. I. Worcester.....	Pittsburg	8 - 0..	fan.....		117
L. L. Crawford.....	O. D. M. Kramer.....	Pittsburg	9 - 0..	fan.....	59	118
H. B. Clark.....	A. G. Coburn.....	Pittsburg	8 - 0..	fan.....	154	119
H. B. Clark.. ..	Wm. Ashcraft.....	Pittsburg	8 - 0..	furnace...	23	120
H. B. Clark.....	O. J. Fowler.....	Pittsburg	7 - 0..	fan.....	77	121
H. B. Clark.....	O. J. Fowler.....	Pittsburg	7 - 0..	fan.....		122
J. F. Cook.....	Robt. Wilson.....	Pittsburg	8 - 0..	natural..	19	123
Samuel Cromer.....	Toney Starr.....	Pittsburg	7 - 0..	fire bask't	21	124
W. G. H. Crawford..	W. B. Malone.....	Pittsburg	7 - 0..	fan.....	48	125
W. G. H. Crawford..	W. B. Malone.....	Pittsburg	7 - 0..	fan.....		126
Frank D. Allen.....	James Haughney....	Pittsburg	6 - 6..	fan.....	57	127
M. Mannix.....	Wm. F. White.....	Pittsburg	6 - 0..	fan.....	74	128
John W. Fahey.....	Geo. Adams.....	Pittsburg	7 - 0..	fan.....	66	129
J. A. Jenkins.....	W. J. Keefe.....	Pittsburg	8 - 0..	fan.....	94	130
Ed. Olingan.....	Ed. Olingan.....	Pittsburg	8 - 9..	furnace...	40	131
W. F. Harvey.....	.....	Pittsburg	.....	.....	.....	132
Isham Keith.....	B. H. Stires.....	Pittsburg	8 - 0..	furnace...	55	133
Eli Morris.....	Eli Morris.....	Pittsburg	7 - 0..	furnace...	27	134
B. T. Greaves.....	.....	Pittsburg	7 - 0..	.....	3	135
Wm. Moore.....	A. G. Hilburt.....	Pittsburg	8 - 6..	sht. & grte.	30	136
John Harley.....	John Harley.....	Redstone	.....	furnace...	9	137
Vincent E. Goecke..	.....	Pittsburg	.....	.....	.....	138
.....	.....	Pittsburg	.....	.....	.....	139
B. H. Monroe G. M..	.....	Pittsburg	.....	.....	.....	140
Isham Keith.....	B. H. Stires.....	Pittsburg	.....	.....	.....	141
A. L. White.....	.....	.....	.....	.....	.....	142
Wm. Atkin.....	Robt. Nelson.....	Pittsburg	5 - 0..	furnace...	17	143
Wm. Atkin.....	Robt. Nelson.....	Pittsburg	5 - 0..	natural...	4	144
J. W. Fahey.....	John McGraw.....	Pittsburg	7 - 0..	air shaft..	62	145
J. W. Davidson.....	G. R. W. Johnson....	Pittsburg	9 - 0..	fan.....	82	146
W. S. Brydon.....	Guy Lake.....	Pittsburg	7 - 0..	air shaft..	12	147
W. R. Davis.. ..	Wm. Drainer.....	Pittsburg	7 - 6..	natural...	87	148
D. R. Phillips & H.H. Harrison.....	Oliver Jenkins.....	Pittsburg	7 - 0..	furnace...	79	149
J. W. Fahey.....	John P. McGraw ..	Pittsburg	7 - 0..	natural...	79	150

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
Taylor County, Con.					
151	Second.....	Wendel.....	drift	Maryland Coal Co.....	Grafton
152	"	cOecil.....	drift	The Cecil Coal & Coke Co.	Oecil.....
153	"	Winona No. 1.....	drift	Winona Coal & Coke Co..	Grafton
154	"	Winona No. 2.....	drift	Winona Coal & Coke Co..	Grafton
155	"	cOverholt.....	drift	Overholt Coal & Coke Co	Grafton
156	"	bStone House.....	shaft	Mohawk Smokeless Coal Co.....	Grafton
157	"	bBush No. 1.....	drift	Bessemer Coal & Coke Co.	Coffman's.....
158	"	bBush No. 2.....	drift	Bessemer Coal & Coke Co.	Coffman's. . .
159	"	bTyrconnell.....	drift	Clarksburg Fuel Co	Fairmont.....
Upshur County.					
160	Second . . .	Penco . . .	slope	Pennsylvania Consolida- ted Coal Co	Lorentz .. .
161	"	Red Rock Nos. 1 & 2	2drifts	Red Rock Fuel Co.....	Red Rock.....
162	"	Florence.....	drift	Buckhannon River Coal Co.....	Adrian
163	"	cNewcomer.....	drift	Newcomer Coal Co.	Buckhannon ..
Grant County.					
164	†Third.. .	No. 22 . . .	shaft	Davis Coal & Coke Co	Henry
165	"	bNo. 33.....	shaft	Davis Coal & Coke Co.....	Henry.....
166	"	Buffalo Creek	drift	Buffalo Creek, Cumber- land Coal Co.....	Bayard
Mineral County.					
167	Third	No. 14.....	drift	Davis Coal & Coke Co	Elk Garden.. .
168	"	No. 20.....	drift	Davis Coal & Coke Co	Elk Garden.....
169	"	No. 9.....	drift	Davis Coal & Coke Co	Elk Garden.....
170	"	No. 8.....	drift	Davis Coal & Coke Co	Elk Garden.....
171	"	No. 19.....	drift	Davis Coal & Coke Co	Beryl
172	"	No. 50.....	drift	Davis Coal & Coke Co	Beryl
173	"	No. 51.	drift	Davis Coal & Coke Co ...	Beryl.....
174	"	Smith	drift	Smith Coal Co.....	Blaine
175	"	Virginia	drift	Piedmont & Potomac Coal Co.....	Piedmont.....
176	"	Big Vein.....	drift	The Big Vein Coal Co. of W. Va.....	Shaw
177	"	bFour-foot.....	drift	The Big Vein Coal Co. of W. Va.....	Shaw
178	"	Taylor.....	drift	Taylor Coal Co	Emoryville....
179	"	Hampshire.....	drift	Masteller Coal Co.....	Keyser
180	"	New Creek.....	drift	Masteller Coal Co.....	Keyser. . .
181	"	Oakmont.....	drift	Abrams Creek Coal & Coke Co	Oakmont. . .
182	"	bGleason No. 1.....	drift	Gleason Coal & Coke Co ..	Blaine.....
183	"	Gleason No. 2.....	drift	Gleason Coal & Coke Co ..	Blaine.....
184	"	Sara	drift	Glade Run Coal & Coke Co.....	Schell
185	"	bPiedmont.....	drift	Piedmont Brick & Coal Co.....	Piedmont.....
Preston County.					
186	Third	Austen No. 1.....	drift	Austen Coal & Coke Co...	Austen
187	"	Austen No. 2.....	drift	Austen Coal & Coke Co...	Austen
188	"	Newburg Shaft.....	shaft	Hamilton Coal & Coke Co	Newburg
189	"	Gorman No. 1.....	drift	Gorman Coal & Coke Co..	Austen
190	"	Gorman No. 2.....	drift	Gorman Coal & Coke Co..	Austen
191	"	Gorman No. 4.....	drift	Gorman Coal & Coke Co..	Austen
192	"	Irona No. 1.....	drift	Irona Coal Co	Irona.....
193	"	Irona No. 2.....	drift	Irona Coal Co.....	Irona.....
194	"	bTunnelton No. 1...	drift	Merchants Coal Co. . .	Tunnelton
195	"	Merchants No. 2.....	drift	Merchants Coal Co.....	Tunnelton
196	"	Corinth	drift	Oakland Coal & Coke Co.	Corinth
197	"	Howesville	drift	Kingwood Coal Co.....	Howesville
198	"	Dixie	drift	Hite Coal & Coke Co	Hiorra. . .
199	"	Vulcan.....	drift	Orr Coal & Coke Co.....	Hiorra
200	"	bVictoria No. 1.....	drift	The Manufacturers Coal & Coke Co.....	Independence

†Third District, John F. Bratt, Inspector. bIdle during the year. cJust being developed.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYES.**

Name of Superintend- ent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thick- ness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
Geo. S. Brackett.....	August Ricker.....	Pittsburg	6 - 4..	fan.....	43	151
H. O. Lane.....	J. E. Hamilton.....	Up Free.	4 - 6..	stack.....	5	152
F. T. Rowland.....	Wm. Gantz.....	Up Free.	4 - 0..	furnace....	14	153
F. T. Rowland.....	Wm. Gantz.....	Lo. Free.	5 - 0..	furnace....	3	154
O. E. Conaway, G. M.,	.....	Up Free.	.....	.....	.....	155
Geo. S. Beckwith, G. M.	.....	Up Free.	.....	.....	.....	156
G. W. Miller.....	.....	Up Free.	.....	.....	.....	157
G. W. Miller.....	.....	Mahoning	.....	.....	.....	158
Robt. Love Sr.....	.....	Pittsburg	.....	.....	.....	159
W. D. McCausland...	Floyd Gandy.....	Red Stone	4 - 3..	fan.....	29	160
Robt. Lang Jr.....	T. Harris & F. Gandy	Red Stone	4 - 2..	fan.....	33	161
Isaac Reckard....	G. W. Swift.....	Mahoning	6 - 0..	furnace....	15	162
W. P. Hurst. Pres....	.....	Pittsburg	.....	.....	.....	163
James G. Boyd.....	Albert Sawers.....	Up Free.	5 - 0..	fan.....	148	164
James G. Boyd.....	.....	Lo. Kittan	7 - 0..	fan.....	.....	165
R. D. Waddel.....	R. D. Waddel.....	Lo. Kittan	6 - 0..	fan.....	96	166
H. H. Harrison.....	F. O. Patton.....	Up Free.	4 - 3..	furnace....	23	167
H. H. Harrison.....	L. D. Vaughn.....	Up Free.	4 - 3..	furnace....	72	168
H. H. Harrison.....	J. E. Ott.....	Pittsburg	12 - 0..	natural....	136	169
H. H. Harrison.....	Foster Wilson.....	Pittsburg	12 - 0..	fan.....	84	170
O. Tibbets.....	Joseph Tibbets.....	Lo. Kittan	5 - 8..	fan.....	21	171
O. Tibbets.....	Joseph Tibbets.....	Four-foot.	2 - 4..	fan.....	81	172
O. Tibbets.....	Joseph Tibbets.....	Four-foot.	2 - 6..	fire bask't	41	173
R. A. Smith.....	W. B. Walker.....	Lo. Kittan	5 - 6..	fan.....	47	174
Daniel Askey.....	W. J. Barnard.....	Lo. Kittan	5 - 3..	fan.....	32	175
O. F. Jordan.....	Wm. Beaver.....	Pittsburg	15 - 0..	natural....	39	176
O. F. Jordan.....	Wm. Beaver.....	Four-foot.	2 - 6..	natural....	.....	177
Wm. C. Larew.....	Wm. C. Larew.....	Up Free.	4 - 0..	natural....	6	178
M. Masteller.....	Henry Byers.....	Elk Lick	4 - 0..	fan.....	56	179
M. Masteller.....	Henry Byers.....	Lo. Kittan	5 - 0..	furnace....	21	180
J. G. Kinkead..	James Seamon.....	Up Free.	4 - 6..	furnace....	42	181
Jno. M. Davis.....	.....	Up Kittan	.....	.....	.....	182
Jno. M. Davis.....	S. S. Harvey.....	Lo. Kittan	6 - 0..	furnace....	36	183
D. I. Seater.....	Sidney Murphy.....	Lo. Free.	3 - 6..	furnace....	18	184
B. R. Shultis.....	.....	Lo. Kittan	5 - 6..	natural....	.....	185
F. W. Horchler.....	A. R. Murphy.....	Up Free.	4 - 6..	fan.....	91	186
F. W. Horchler.....	Geo. R. Cook.....	Up Free.	4 - 6..	fan.....	90	187
F. A. Husted.....	E. L. Griffiths.....	Up Free.	4 - 6..	fan.....	53	188
Geo. Alexander.....	B. F. Williams.....	Up Free.	4 - 6..	stack.....	17	189
Geo. Alexander.....	John Welsh.....	Up Free.	4 - 6..	fan.....	27	190
Geo. Alexander.....	John Welsh.....	Up Free.	4 - 6..	stack.....	21	191
T. R. Spencer.....	Claude Starr.....	Up Free.	4 - 5..	fan.....	44	192
T. R. Spencer.....	Claude Starr.....	Up Free.	4 - 5..	furnace....	.....	193
Geo. Cummings Sr....	Thomas Clark.....	Up Free.	4 - 6..	natural....	.....	194
Geo. Cummings Sr....	G. M. Renshaw.....	Up Free.	5 - 0..	fan.....	183	195
A. H. Jordan.....	Wm. Burke.....	Up Free.	4 - 0..	fan.....	45	196
W. B. Edward.....	Thomas Mackey.....	Up Free.	4 - 6..	furnace....	80	197
R. M. Hite.....	Alf Fortney.....	Up Free.	4 - 4..	furnace....	36	198
J. M. Orr.....	F. E. Dawson.....	Up Free.	4 - 4..	fan.....	76	199
J. H. Humphreys.....	J. H. Humphreys.....	Lo. Kittan	4 - 9..	fan.....	.....	200

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District	Name of Mine.	Kind of Open- ing.	Name of Company.	Postoffice Address.
<i>Preston Co. Con.</i>					
201	Third	Victoria No. 2.....	slope	The Manufacturers Coal & Coke Co.....	Independence.
202	"	Shrader.....	drift	Pennsylvania Consolida- ted Coal Co.....	Independence.
203	"	Atlantic	drift	Atlantic Coal & Coke Co.	Tunnelton
204	"	Bretz.....	drift	Elkins Coal & Coke Co..	Morgantown..
205	"	Kingwood.....	2 drifts	Elkins Coal & Coke Co..	Morgantown..
206	"	cNo. 6.....	2 drifts	Elkins Coal & Coke Co..	Morgantown..
207	"	No. 1.....	drift	Preston County Coke Co.	Masontown.....
<i>Randolph County.</i>					
208	Third	No. 1.....	drift	Davis Colliery Co.....	Elkins
209	"	No. 3.....	drift	Davis Colliery Co.....	Elkins
210	"	bGrassy Run	drift	Davis Colliery Co.....	Elkins
211	"	No. 1.....	drift	Davis Coal & Coke Co....	Weaver.....
212	"	No. 2.....	drift	Davis Coal & Coke Co..	Weaver.....
213	"	No. 5.....	drift	Davis Coal & Coke Co....	Weaver.....
214	Third... ..	Klondyke.....	drift	W. H. Green.....	Mable
<i>Tucker County.</i>					
215	Third.....	No. 23.....	drift	Davis Coal & Coke Co....	Thomas
216	"	No. 25	drift	Davis Coal & Coke Co....	Thomas
217	"	No. 26	drift	Davis Coal & Coke Co....	Thomas
218	"	No. 34	shaft	Davis Coal & Coke Co....	Thomas
219	"	No. 35	drift	Davis Coal & Coke Co....	Thomas
220	"	No. 36	drift	Davis Coal & Coke Co....	Thomas
221	"	No. 37	drift	Davis Coal & Coke Co....	Thomas
222	"	No. 3.....	drift	Cumberland Coal Co....	Albert.....
223	"	No. 4.....	drift	Cumberland Coal Co....	Albert.....
224	"	No. 5.....	drift	Cumberland Coal Co....	Albert.....
225	"	cNo. 1.....	drift	Cumberland Coal Co..	Albert.....
226	"	Beacon.....	drift	Beacon Coal & Coke Co..	Davis.....
<i>Braxton County.</i>					
227	*Fourth	No. 10	4 drifts	Davis Colliery Co.....	Elkins.....
228	"	No. 11.....	drift	Davis Colliery Co.....	Elkins.....
<i>Clay County.</i>					
229	Fourth	Elk Manor.....	drift	Dorfee Coal Mining Co..	Dorfee.....
230	"	Carter.....	drift	Carter Coal Co	Scotford
231	"	Scott.....	drift	Kentucky Coal & Lumber Co.....	Cambria.....
232	"	Dundon No. 1.....	drift	Elk River Coal & Lumber Co.....	Clay
<i>Fayette County.</i>					
233	Fourth	No. 111	drift	Sunday Creek Co.....	Longacre
234	"	No. 112	drift	Sunday Creek Co.....	Longacre
235	"	No. 114	drift	Sunday Creek Co.....	Longacre
236	"	No. 114 X.....	drift	Sunday Creek Co.....	Longacre
237	"	No. 115	drift	Sunday Creek Co.....	Longacre
238	"	aNo. 117	drift	Sunday Creek Co.....	Longacre
239	"	No. 1.....	drift	The Columbus Iron & Steel Co.....	Marting.....
240	"	Kanawha Gas	drift	Kanawha Gas Coal Co....	Smithers.....
241	"	Oakland.....	drift	W. R. Johnson & Co....	Smithers.....
242	"	No. 1.....	drift	Boomer Coal & Coke Co..	Boomer
243	"	No. 2 North.....	drift	Boomer Coal & Coke Co..	Boomer
244	"	No. 2 South	drift	Boomer Coal & Coke Co..	Boomer

*Fourth District, Earl A. Henry, Inspector. cJust being developed. aAbandoned.
bIdle during the year.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYES.

Name of Superintendent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
J. H. Humphreys.....	J. H. Humphreys.....	Lo. Kittan	5 - 6..	fan.....	47	201
R. B. Youngkin.....	J. M. Phillips.....	Lo. Kittan	4 - 6..	fan.....	64	202.
R. S. LaRue.....	John Morrison ..	Up Free.	4 - 6..	fan.....	94	203
J. B. Hanford.....	J. Y. Ralston.....	Up Free.	4 - 0..	fan.....	161	204
J. B. Hanford.....	R. R. Beveridge.....	Up Free.	4 - 0..	2 fans....	62	205
J. B. Hanford.....	J. S. Martin.....	Up Free.	.....	.....	.....	206
Everhart Blerer.....	J. B. Halle..	Up Free.	6 - 6..	furnace...	5	207
F. O. Cornet.....	John Condry.....	Up Free.	8 - 0..	furnace...	155	208
A. C. Davis.....	W. S. Wilson.....	Up Free.	7 - 0..	fan.....	98	209
.....	.....	Up Free.	7 - 0..	.....	.....	210
M. L. Garvey	W. F. Rees	Up Free.	9 - 0..	fan.....	79	211
M. L. Garvey	Thomas Mackey	Up Free.	9 - 0..	fan.....	64	212
M. L. Garvey.....	James Lake	Up Free.	6 - 0..	furnace...	12	213
W. H. Green.....	W. H. Green	Up Free.	8 - 0..	furnace...	11	214
D. R. Jones & D. R. Phillips.....	Wm. McFarland .	Up Free.	6 - 6..	fan.....	194	215
D. R. Jones & D. R. Phillips.....	Wm. Riggelman.....	Up Free.	7 - 6..	fan.....	134	216
O. W. Scharar.....	Thomas Kilroy.....	Up Free.	6 - 0..	fan.....	37	217
D. R. Jones & D. R. Phillips.....	A. E. Wood.....	Lo. Kittan	6 - 0..	fan.....	139	218
O. W. Scharar.....	James Christopher ..	Lo. Kittan	6 - 0..	fan.....	44	219
O. W. Scharar.....	James Christopher ..	Lo. Kittan	3 - 6..	fan.....	132	220
O. W. Scharar.....	Geo. Christopher.....	Lo. Kittan	5 - 0..	fan.....	102	221
J. B. Jenkins.....	A. I. Jenkins.....	Lo. Kittan	5 - 6..	natural. }	83	222
J. B. Jenkins.....	A. I. Jenkins.....	Lo. Kittan	5 - 6..	..... }	.....	223
J. B. Jenkins.....	A. I. Jenkins.....	Lo. Kittan	5 - 0..	fan.....	72	224
J. B. Jenkins.....	A. I. Jenkins.....	Lo. Kittan	.....	.....	.....	225
W. C. Patterson.....	Alex. Close.....	Lo. Kittan	7 - 6..	fan.....	47	226
R. D. Edwards.....	David Evans.....	Pittsburg	4 - 0..	4furnaces.	54	227
R. D. Edwards.....	Wm. Martin.....	Pittsburg	4 - 3..	furnace...	32	228
Henry Brooke.....	T. L. Pugh.....	Winifrede	4 - 1..	fan.....	36	229
Wm. Tamplin....	T. B. Craze.....	Coalburg	4 - 4..	furnace...	30	230
L. D. Burns	O. B. Dean.....	Coalburg	4 - 6..	furnace...	24	231
J. G. Bradley.....	David Stoddard.....	?	6 - 0..	natural...	15	232
T. E. Roan.....	John Welch.....	No. 2. Gas	5 - 0..	fan.....	92	233
T. E. Roan.....	M. B. Welch.....	No. 2. Gas	5 - 0..	fan.....	71	234
T. E. Roan.....	Robt. Taylor.....	No. 2. Gas	5 - 6..	fan.....	166	235
T. E. Roan.....	John Dufor..	No. 2. Gas	5 - 6..	fan.....	.....	236
T. E. Roan.....	J. K. Nelson.....	No. 2. Gas	5 - 10..	fan.....	179	237
T. E. Roan.....	F. J. Patrick.....	No. 2. Gas	4 - 0..	fan.....	58	238
John Phillips.....	F. O. Clendennin.....	No. 2. Gas	5 - 4..	fan.....	101	239
T. A. Bartlam.....	John Titlow.....	No. 2. Gas	5 - 6..	fan.....	86	240
T. A. Bartlam.....	Ben. Hill..	No. 2. Gas	5 - 4..	fan.....	85	241
W. M. Gillie.....	Walter Culbertson.....	No. 2. Gas	5 - 6..	fan.....	147	242
W. M. Gillie..	Henry Deem.....	*Eagle....	5 - 6..	fan.....	216	243
W. M. Gillie.....	Henry Deem.....	Eagle	5 - 6..	fan.....	216	244

*Eagle, or No. 1 Gas.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening	Name of Company.	Postoffice Address
245	Fourth	<i>Fayette Co. Con</i> No 3	drift	Boomer Coal & Coke Co.	Boomer
246	"	Nova Scotia	drift	The Gauley Mountain Coal Co.	Ansted
247	"	Pine Top	"	Croft & Evans	Ansted
248	"	Cliff Top No. 1	"	Moseley & Walker	Cliff Top
249	"	Cliff Top No. 2	"	Moseley & Walker	Cliff Top
250	"	Cliff Top No. 3	"	Moseley & Walker	Cliff Top
251	"	Gaymont	"	Gaymont Colliery Co.	Hawk's Nest
252	"	Elmo	"	Beury-New River Coal Co.	Elmo
253	"	Sunnyside	"	Sunbury Coal & Coke Co.	Elmo
254	"	Big Bend	"	Big Bend Coal Co.	Dimmock
255	"	Michigan	"	Michigan Coal Co.	Fayette
256	"	Fayette	"	The Fayette Coal & Coke Co.	Fayette
257	"	Newlyn	"	Manufacturers & Consumers Coal Co.	Fayette
258	"	Nuttallburg	"	Nuttallburg Coal & Coke Co.	Nuttallburg
259	"	Keeneys Creek	"	Nuttallburg Coal & Coke Co.	Nuttallburg
260	"	Ballinger No. 1	"	Ballinger Coal Co.	Nuttallburg
261	"	Ballinger No. 2	"	Ballinger Coal Co.	Nuttallburg
262	"	Blume	"	Blume Coal & Coke Co.	Lookout
263	"	Lookout	"	Lookout Coal & Coke Co.	Lookout
264	"	Smokeless	"	Keeneys Creek Colliery Co.	Winona
265	"	Boone	"	Keeneys Creek Colliery Co.	Boone
266	"	Dubree	"	Rothwell Coal Co.	Dubree
267	"	Kohinoor	"	Pennsylvania & New River Coal Co.	Pennbrooke
268	"	Fire Creek	"	Fire Creek Coal & Coke Co.	Fire Creek
269	"	Echo	"	Beury Bros. Coal & Coke Co.	Beury
270	"	Gas No. 2	"	Gamoca Coal Co.	Gamoca
271	"	Splint No. 5	"	Gamoca Coal Co.	Gamoca
272	"	Deltz No. 2	"	Deltz Colliery Co.	Wyndal
273	"	Deltz No. 5	"	Deltz Colliery Co.	Wyndal
274	"	Lynchburg	"	Lynchburg Colliery Co.	Vanetta
275	†Sixth	Hickory Camp	"	Paint Creek Collieries Co.	Charleston
276	*Fifth	Eureka No. 13	"	Eureka Colliery Co.	Donwood
277	"	Eureka Splint No. 14	"	Eureka Colliery Co.	Donwood
278	"	Eagle No. 1	"	St. Clair Colliery Co.	Eagle
279	"	St. Clair No. 2	"	St. Clair Colliery Co.	Eagle
280	"	Mecca No. 2	"	Mecca Coal & Coke Co.	Montgomery
281	"	Mecca No. 5	"	Mecca Coal & Coke Co.	Montgomery
282	"	No. 2	"	The Carver Bros. Co.	Eagle
283	"	No. 3	"	The Carver Bros. Co.	Eagle
284	"	No. 1	"	The Carver Bros. Co.	Eagle
285	"	Eagle	"	The Carver Bros. Co.	Eagle
286	"	No. 5	"	The Carver Bros. Co.	Eagle
287	"	Diamond	"	The Carver Bros. Co.	Eagle
288	"	Eagle No. 1	"	W. R. Johnson	Crescent
289	"	No. 2 Gas	"	W. R. Johnson	Crescent
290	"	No. 5 Splint	"	W. R. Johnson	Crescent
291	"	Vulcan & South	"	The Mt. Carbon Co. Ltd.	Powellton
292	"	Brewster	"	The Gt. Kanawha Colliery Co.	Mt Carbon
293	"	Edwards	"	The Gt. Kanawha Colliery Co.	Mt Carbon
294	"	Rhinolas	"	The Gt. Kanawha Colliery Co.	Mt Carbon

*Fifth District. John I. Absalom, Inspector, until May 31, 1907. †Sixth District. Bonner H. Hill, Inspector. mClosed by injunction granted Mine Department. cWorked out and abandoned. 2-07. eJust being developed. aAbandoned.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
W. M. Gillie.....	John Elswick.....	No. 2. Gas	5 - 6..	fan... ..	188	245
R. O. Taylor.....	Jas. A. Martin.....	No. 2. Gas	5 - 0..	fan&furn.	207	246
W. H. Evans	Arthur Hudson.....	No. 2. Gas	5 - 0..	natural...	17	247
H. A. Moseley	W. L. Herndon.....	Sewell	3 - 0..	natural...	40	248
H. A. Moseley	W. L. Herndon.....	Sewell	3 - 0..	furnace...	4	249
H. A. Moseley	W. L. Herndon.....	Sewell	3 - 0..	fan.....	23	250
J. H. Dempsey.....	Thomas Toler.....	Sewell	3 - 0..	fan.....	14	251
J. H. Dempsey.....	B. F. Dorsey.....	Sewell	3 - 0..	fan.....	29	252
J. H. Dempsey.....	R. J. Morton.....	Sewell	3 - 0..	fan.....	9	253
J. H. Dempsey.....	O. O. Wiseman.....	FireCreek	4 - 0..	natural...	18	254
James D. Boone.....	E. E. Sims	Sewell	3 - 4..	furnace...	46	255
E. G. Blume.....	L. B. Rhodes.....	Sewell	3 - 0..	furnace...	60	256
P. H. Henry	James W. Sims.....	Sewell	3 - 0..	fan.....	65	257
L. O. Bierne.....	J. D. Edwards.....	Sewell ...	4 - 0..	fan.....	65	258
L. O. Bierne....	O. W. Jones.....	Sewell	4 - 0..	natural...	35	259
Geo. Holland	John Ohlinger.....	Sewell	3 - 8..	fan&furn.	86	260
Geo. Holland	Fred Ohlinger.....	Sewell	3 - 10..	furnace...	4	261
D. W. Boone	Thomas Stead.....	Sewell	3 - 8..	fan.....	84	262
D. W. Boone	Thomas Stead.....	Sewell	3 - 8..	fan.....	10	263
Lee Long.....	W. A. Otey.....	Sewell	4 - 0..	fan... ..	90	264
Lee Long&W.F.Boone	Albert Ohlinger.....	Sewell	3 - 9..	furnace...	62	265
H. H. Rothwell.....	John Carey.....	Sewell	3 - 8..	fan... ..	41	266
M. H. Blythe.....	Andrew Easton	FireCreek	3 - 6..	fan.....	27	267
H. L. Atkinson.....	Zeb Arrington.....	FireCreek	3 - 4..	natural...	45	268
H. B. Beury....	Peter Wolf.....	FireCreek	4 - 0..	fan.....	72	269
J. M. Campbell.....	W. H. Thompson.....	No. 2. Gas	4 - 0..	furnace. }	95	270
J. M. Campbell.....	W. H. Thompson	No. 5.....	6 - 0..	fan..... }		271
T. A. Deltz.....	L. D. Moran.....	No. 2. Gas	3 - 10..	furnace...	32	272
T. A. Deltz.	L. D. Moran.	No. 5.....	5 - 6..	furnace...	35	273
T. A. Deltz.....	J. O. Grissinger.	No. 2. Gas	4 - 0..	furnace...	65	274
W. W. Mucklow.....	R. F. Townsend.	Eagle	5 - 0..	fan... ..	62	275
Morris Hansford.....	J. W. Frazier.....	Gas No. 2	4 - 6..	fan.....	49	276
Morris Hansford.....	Wm. Frye.....	No. 5.....	6 - 4..	natural...	51	277
L. W. Atkinson.....	Hay Young	Eagle	4 - 10..	fan.....	49	278
L. W. Atkinson.....		No. 2. Gas	5 - 0..			279
John Carver.....	J. H. Tasker.....	No. 2. Gas	5 - 0..	fan.....	72	280
John Carver....	J. W. Armentrout....	No. 5.....	6 - 0..	natural...	43	281
James E. Carver.....	John E. Carver.....	No. 2. Gas	4 - 6..	fan.....	57	282
James E. Carver.....	John E. Carver....	No. 2. Gas	4 - 6..			283
James E. Carver.....	W. Evans	Eagle	4 - 0..			284
James E. Carver.....	John Hannigan.....	Eagle	4 - 0..	fan.....	52	285
James E. Carver.....	A. B. Phillips.....	No. 5	7 - 0..	natural...	16	286
W. A. Carver.....	Wm. Shamblin.	No. 2. Gas	5 - 6..	2 fans....	41	287
T. A. Bartlam	J. V. Bartlam	Eagle	3 - 2..	fan... ..	23	288
T. A. Bartlam	Robt. Harris.....	No. 2. Gas	5 - 0..	natural...	11	289
T. A. Bartram.....	H. Webster.	No. 5.....	6 - 0..	natural...	44	290
D. T. Evans	James Youell.....	Powellton	6 - 0..	fan.....	128	291
Wm. Brown.....	John Eads.....	No. 2. Gas	3 - 8..	fan.....	33	292
Wm. Brown.....	John Eads.....	Eagle	2 - 8..	fan.....	26	293
Wm. Brown.....	John Eads.....	Eagle	3 - 0..			294

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
		<i>Fayette Co. Con.</i>			
295	Fifth	Kimberly	2drift	Cardiff Coal Co..	Charleston.....
296	"	Columbia	drift	Cardiff Coal Co.....	Charleston.....
297	"	Elk Ridge No. 1.....	drift	Cardiff Coal Co.....	Charleston.....
298	"	Elk Ridge No. 2.....	drift	Cardiff Coal Co.....	Charleston.....
299	"	Ansted	drift	Loup Creek Colliery Co..	Page.....
300	"	Eagle	drift	Loup Creek Colliery Co..	Page.....
301	"	Ft. Defiance.....	drift	Ft. Defiance Coal & Coke Co.....	Gauley Bridge.
302	"	Marrs Branch.....	drift	Marrs Branch Coal Co ..	Fayette
303	"	South Side	drift	South Side Company.....	Caperton
304	"	Elverton	drift	The Goshen Iron Co.....	Elverton.....
305	"	Kay Moor No. 1.....	drift	The Low Moor Iron Co. of Va	Kay Moor.....
306	"	Kay Moor No. 2.....	drift	The Low Moor Iron Co. of Va	Kay Moor.....
307	"	Brown	drift	Brown Coal Co	Nuttallburg ..
308	"	Bachman	drift	New River Valley Coal Co.....	Fayette
309	"	Cunard No. 7	drift	New River Collieries Co.	Thurmond.....
310	"	Brooklyn No. 6.....	drift	New River Collieries Co.	Thurmond
311	"	Red Ash No. 5.....	drift	New River Collieries Co.	Thurmond
312	"	Rush Run No. 4.....	drift	New River Collieries Co.	Thurmond
313	"	Sun No. 1	slope	New River Collieries Co.	Thurmond
314	"	Sun No. 2	shaft	New River Collieries Co.	Thurmond
315	"	Sun No. 3	slope	New River Collieries Co.	Thurmond
316	"	Thurmond No. 1	drift	The Thurmond Coal Co..	Fire Creek.....
317	"	Thurmond No. 2	drift	The Thurmond Coal Co..	Fire Creek.....
318	"	Stone Cliff	drift	Stone Cliff Coal & Coke Co	Stone Cliff
319	"	No. 1.....	drift	Beechwood Coal & Coke Co.....	Claremont
320	"	No. 2.....	drift	Beechwood Coal & Coke Co	Claremont.....
321	"	Alaska	drift	Alaska Coal & Coke Co..	Claremont.....
322	"	Ridgeview.....	drift	Ridgeview Coal Co.....	Thayer.....
323	"	Buffalo.....	drift	Ephraim Creek Coal & Coke Co.....	Thayer.....
324	"	Big Q.....	drift	Quinnimont Coal Co.....	Quinnimont...
325	"	Lick Branch	drift	Quinnimont Coal Co.....	Quinnimont...
326	"	Glendale	4drifts	Glendale Colliery Co.....	Lawton.....
327	"	Laurel.....	drift	Laurel Creek Coal Co....	Quinnimont..
328	"	Robins	drift	Export Coal Co.....	Robins
329	"	Greenwood	2drifts	Greenwood Coal Co.....	Lawton.....
330	"	Hemlock.....	drift	Hemlock Hollow Coal & Coke Co.....	Lawton.....
331	"	Layland No. 1. ..	drift	New River & Pocahontas Consolidated Coal Co..	Gentry
332	"	Layland No. 2.....	drift	New River & Pocahontas Consolidated Coal Co..	Gentry
333	"	Layland No. 3.....	drift	New River & Pocahontas Consolidated Coal Co..	Gentry
334	"	B. No. 1.....	drift	New River & Pocahontas Consolidated Coal Co..	Minden
335	"	Minden No. 2.....	drift	New River & Pocahontas Consolidated Coal Co..	Minden
336	"	Minden No. 3.....	drift	New River & Pocahontas Consolidated Coal Co..	Minden
337	"	Minden No. 4.....	drift	New River & Pocahontas Consolidated Coal Co ..	Minden
338	"	Minden No. 5.....	drift	New River & Pocahontas Consolidated Coal Co..	Minden
339	"	Newlyn	drift	Newlyn Coal Co.....	Newlyn
340	"	Meadow Fork	drift	Meadow Fork Coal Co....	Newlyn
341	"	Dunglen No. 1.....	drift	The Dunglen Coal Co....	Dunglen.....
342	"	cDunglen No. 2.....	drift	The Dunglen Coal Co....	Dunglen

cJust being developed.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYES.

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees	No.
O. O. Sharp.	J. Williams.	No. 2. Gas	5 - 4..	fan.	60	295
O. O. Sharp.	Walter Gill.	No. 2. Gas	4 - 0..	fan.	47	296
O. O. Sharp.	S. O. Rigg.	Powellton	6 - 0..	fan.	93	297
O. O. Sharp.	O. Nutter.	Powellton	6 - 0..	fan.		298
J. O. R. Taylor.	D. S. Dooley.	No. 2. Gas	9 - 7..	furnace. {	223	299
J. O. R. Taylor.	D. S. Dooley.	Eagle.	6 - 8..	furnace. }		300
T. R. Ragland.	K. E. Smith.	No. 2. Gas	5 -)	stack. . .	35	301
James D. Boone.	P. A. Ohlinger.	Sewell.	3 - 4..	furnace. . .	20	302
G. H. Caperton.	Robt. Boyd.	Sewell.	8 - 11..	2 fans.	54	303
L. O. Tippet.	George Cary.	Sewell.	3 - 6..	fan.	105	304
Wm. Barrick.	F. H. Tibbets.	Sewell.	3 - 8..	fan.	139	305
Wm. Barrick.	R. O. Raster.	Sewell.	2 - 8..	furnace. . .	38	306
J. A. Boone.	D. E. Barker.	Sewell.	3 - 10..	fan.	55	307
Jas. D. Boone.	Val. Bachman.	Sewell.	3 - 4..	furnace. . .	8	308
A. J. King.	J. E. Perry.	Sewell.	3 - 11..	natural. . .	37	309
A. J. King.	Edwin Jones.	Sewell.	4 - 2..	fan.	58	310
A. J. King.	Robt. Wallace.	FireCreek	6 - 0..	fan.	112	311
A. J. King.	J. R. King.	FireCreek	6 - 0..	fan.	74	312
G. M. Shoemaker.	F. S. Carroll.	Sewell.	5 - 0..	fan. }	236	313
G. M. Shoemaker.	F. S. Carroll.	Sewell.	5 - 0..			314
G. M. Shoemaker.	F. S. Carroll.	Sewell.	5 - 0..			315
H. L. Atkinson.	W. E. Morton.	Sewell.	4 - 1..	fan & nat. .	65	316
H. L. Atkinson.	T. G. Burke.	FireCreek	4 - 6..	fan.	34	317
W. E. Conn.	G. D. McDaniel.	FireCreek	3 - 6..	natural. . .	65	318
O. O. Beury.	R. B. Hanna.	FireCreek	4 - 0..	fan.	75	319
O. O. Beury.	James Neal.	FireCreek	4 - 0..	natural. . .	30	320
Geo. Lawton.	S. M. Peters.	FireCreek	4 - 2..	natural. . .	43	321
W. J. Heatherman.	John Harris.	FireCreek	3 - 0..	natural. . .	19	322
Geo. Fraser.	John Filbin.	FireCreek	3 - 10..	2 fans.	156	323
J. O. Galland.	D. H. Phelps.	FireCreek	4 - 0..	natural. {	57	324
J. O. Galland.	D. H. Phelps.	FireCreek	4 - 0..	natural. }		325
O. B. Helwig.	J. E. Le Suer.	FireCreek	4 - 0..	natural. . .	50	326
James P. Beury.	Alex Anderson.	FireCreek	3 - 9..	natural. . .	40	327
E. E. Huddleston.	Samuel Anderson.	FireCreek	3 - 0..	natural. . .	30	328
W. A. Brown.	H. O. Peters.	FireCreek	4 - 0..	fan.	110	329
J. A. Brown.	D. S. Brown.	FireCreek	4 - 2..	fan.	100	330
H. M. Bertolet.	Louis Nishodel.	FireCreek	4 - 0..	natural. }	90	331
H. M. Bertolet.	Louis Nishodel.	FireCreek	4 - 6..	fan. }		332
H. M. Bertolet.	Louis Nishodel.	FireCreek	4 - 0..	natural. }		333
Robert Watson.	B. S. Titlow.	FireCreek	3 - 6..	fan.	14	334
Robert Watson.	H. T. Woods.	Sewell.	4 - 6..	2 fans.	169	335
Robert Watson.	J. L. Huffman.	Sewell.	4 - 6..	2 fans.	164	336
Robert Watson.	T. S. Askey.	Sewell.	4 - 0..	fan.	164	337
Robert Watson.	J. T. Shearer.	Sewell.	3 - 4..	fan.	224	338
Edward Thomas.	H. P. Thomas.	FireCreek	3 - 0..	fur & nat. .	13	339
Edward Thomas.	Hogue Meadows.	Sewell.	5 - 0..	furnace. . .	18	340
Leo Schaffer.	Geo. W. Eastham.	Sewell.	4 - 8..	furnace. . .	29	341
Leo Schaffer. ....	.....	FireCreek	.....	.....	.....	342

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind- of Open- ing.	Name of Company.	Postoffice Address.
Fayette Co. Con.					
343	Fifth	Nichol.....	drift	Nichol Colliery Co.....	Glen Jean.....
344	"	Derryhale	drift	McKell Coal & Coke Co..	Glen Jean
345	"	Kilsyth	drift	McKell Coal & Coke Co..	Glen Jean... ..
346	"	Laura	drift	Laura Mining Co.....	Glen Jean.....
347	"	Star	drift	The Star Coal & Coke Co.	Red Star
348	"	Harvey No. 1.....	drift	Harvey Coal & Coke Co..	Harvey
349	"	Harvey No. 2.....	drift	Harvey Coal & Coke Co..	Harvey
350	"	Prudence	drift	Prudence Coal Co.....	Prudence
351	"	Lyman	drift	Prudence Coal Co	Prudence
352	"	Jones	drift	Prudence Coal Co.....	Prudence
353	"	Collins No. 1	drift	Collins Colliery Co.....	Glen Jean.....
354	"	Collins No. 2	drift	Collins Colliery Co.....	Glen Jean.....
355	"	Wingrove.....	shaft	White Oak Fuel Co.....	Scarbro.....
356	"	Scarbro... ..	shaft	White Oak Fuel Co.....	Scarbro.....
357	"	Whipple	shaft	White Oak Fuel Co.	Whipple
358	"	Carlisle	shaft	White Oak Fuel Co..	Carlisle
359	"	Oakwood	shaft	White Oak Fuel Co. ...	Carlisle
360	"	Parral.....	shaft	Stuart Colliery Co	Parral.....
361	"	Stuart.....	shaft	Stuart Colliery Co.....	Stuart.....
362	"	Beech Creek	drift	Stuart Colliery Co.....	Parral.....
363	"	Dunn Loop No. 1....	drift	Dunn Loop O. & O. Co....	Dunn Loop....
364	"	Dunn Loop No. 2....	drift	Dunn Loop O. & O. Co....	Dunn Loop....
365	"	Macdonald	drift	Macdonald Colliery Co..	Macdonald
366	"	Sugar Creek	slope	Sugar Creek O. & O. Co..	Macdonald
367	"	Sherwood	shaft	Price Hill Fuel Co.....	Macdonald
368	"	Turkey Knob	drift	The Turkey Knob Coal Co	Macdonald
369	"	cMt. Hope.....	drift	Mt. Hope Coal & Coke Co	Mt. Hope
Kanawha County.					
370	Fourth.....	Jones Nos. 1 and 2..	2drifts	Falling Rock Cannel Coal Co	Charleston.....
371	"	Graham	drift	The Graham Coal Co.....	Graham Mines
372	"	Queen Shoals	drift	The Elk Coal Co	Charleston.....
373	"	Turner	drift	The Elk Coal Co	Charleston.....
374	"	Lucas Ray	drift	Lucas Ray Coal Co.....	Heatherman ..
375	"	aHeatherman	drift	Jefferson Coal & Coke Co.	Heatherman ..
376	"	Pen-Mar	drift	Pen Mar Mining Co	Big Chimney ..
377	"	gPeacock	drift	Kanawha-Elk Coal Co..	Graham Mines
378	"	bTaggart.....	drift	Clendenin Mining Co	Clendenin
379	"	Gaghan	drift	The Clay Coal Co	Barren Creek..
380	"	Mill Creek.....	drift	Mill Creek Cannel Coal Co.....	Villa.....
381	"	Wills Hollow Nos. 1 & 2	2drifts	Blue Creek Coal & Land Co.....	Charleston.....
382	"	Blakeley No. 3	drift	Blue Creek Coal & Land Co.....	Charleston.....
383	"	bBlakeley No. 4	drift	Blue Creek Coal & Land Co.....	Charleston.....
384	"	Schrader Nos. 1 & 2..	2drifts	Columbia Coal Mining Co	Blue Creek
385	"	bSchrader No. 3	drift	Columbia Coal Mining Co	Blue Creek
386	"	Roderick	drift	Roderick Coal Co.....	Quick.....
387	"	No. 2	drift	Campbells Creek Coal Co.	Dana
388	"	Putney No. 1	drift	Campbells Creek Coal Co.	Dana
389	"	Putney No. 3	drift	Campbells Creek Coal Co.	Dana
390	"	aBelle	drift	Kanawha Block Coal Co.	Charleston.....
391	"	No. 1	drift	Quincy Coal Co.....	Quincy
392	"	No. 2	drift	Quincy Coal Co.....	Quincy
393	"	No. 101	drift	Sunday Creek Company.	Cedar Grove...
394	"	dNo. 104	drift	Sunday Creek Company.	Cedar Grove...
395	"	No. 105	drift	Sunday Creek Company.	Cedar Grove ..
396	"	bNo. 106	drift	Sunday Creek Company.	Cedar Grove...
397	"	bNo. 108	drift	Sunday Creek Company.	Cedar Grove...
398	"	No. 109	drift	Sunday Creek Company.	Cedar Grove...
399	"	bNo. 110	drift	Sunday Creek Company.	Cedar Grove...
400	"	Boyd	drift	New Cedar Grove Coal & Brick Co	Cedar Grove...

a Abandoned. b Idle during the year. c Just being developed. g Shut down for want of R. R. cars. d Being reopened.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS. SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintendent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
V. M. Johnson	V. M. Johnson	Sewell.....	6 - 0.	fan.....	40	343
Gilbert Smith	Thomas A. Lewis.....	Sewell.....	5 - 6.	fan.....	126	344
R. A. McClure	Thomas T. Lewis.....	Sewell.....	5 - 6.	fan.....	272	345
E. A. Trenor	Thomas Morgan.....	Sewell.....	5 - 6.	natural.....	58	346
Geo. W. Jones.....	P. B. Evandoll.....	Sewell.....	5 - 0.	fan.....	164	347
Fred Dixon, jr.....	J. A. McAllister.....	Sewell.....	4 - 0.	fan.....	130	348
Fred Dixon, jr.....	J. A. McAllister.....	Sewell.....	4 - 0.	fan.....		349
G. E. Dixon	W. S. Williamson.....	Sewell.....	5 - 6.	fan.....	157	350
G. E. Dixon	W. S. Williamson.....	Sewell.....	5 - 6.	fan.....		351
G. E. Dixon	W. B. Bryantina.....	Sewell.....	5 - 6.	furnace.....		352
Wm. Farrel	J. W. Wedgewood.....	Sewell.....	5 - 0.	fan.....	215	353
Wm. Farrel	J. W. Wedgewood.....	Sewell.....	5 - 0.	fan.....		354
J. W. Wilson.....	W. B. Nesbitt.....	Sewell.....	5 - 6.	fan.....	72	355
J. W. Wilson.....	Ralph Brabban.....	Sewell.....	5 - 0.	fan.....	150	356
James Clark.....	Ralph Ross.....	Sewell.....	5 - 0.	fan.....	130	357
J. N. Schweitzer.....	O. W. Carmon.....	Sewell.....	4 - 6.	fan.....	100	358
J. N. Schweitzer.....	W. A. Jones.....	Sewell.....	4 - 6.	fan.....	79	359
L. Blankensopp.....	Geo. Hopkins.....	Sewell.....	4 - 2.	fan.....	19	360
T. C. Farnsworth.....	M. E. Oopley.....	Sewell.....	4 - 4.	fan.....	20	361
L. Blankensopp.....	Jas. O'Boyle.....	Eagle.....	3 - 10.	furnace.....	22	362
James Martin.....	Thomas Evans.....	Sewell.....	5 - 0.	natural.....	85	363
James Martin.....	O. Williams.....	Sewell.....	5 - 6.	fan.....	111	364
V. A. Miller.....	Wm. Ellis.....	Sewell.....	4 - 7.	natural.....	174	365
N. S. Blake.....	T. L. Ramey.....	Sewell.....	6 - 0.	fan.....	120	366
H. H. Pinkney.....	S. Hilditch.....	Sewell.....	6 - 0.	fan.....	50	367
James Heatherman.....	George Eary.....	Sewell.....	5 - 6.	fan.....	75	368
A. P. Bailey.....	.....	Sewell.....	6 - 0.	furnace.....	.....	369
E. E. Young.....	R. B. Young.....	Cannel.....	2 - 6.	fan.....	29	370
O. M. Doolittle.....	N. O. Poston.....	N. Coalb'g.....	4 - 0.	furnace.....	26	371
Henry Davis.....	Geo. Miller.....	Mason?.....	4 - 6.	furnace.....	40	372
Henry Davis.....	W. D. Davis.....	Mason?.....	3 - 9.	fan.....	52	373
S. Simpkins.....	J. Lucas.....	Mason?.....	3 - 6.	furnace.....	13	374
C. W. Jones.....	O. A. Warden.....	No. 5.....	3 - 6.	fan.....	28	375
Jacob Householder.....	Jacob Householder.....	N. Coalb'g.....	3 - 0.	natural.....	7	376
J. G. Vaughan.....	J. H. Vaughan.....	N. Coalb'g.....	6 - 0.	nat. & fur.....	32	377
.....	.....	No. 5.....	2 - 10.	furnace.....	4	378
G. W. Gaghan.....	Wm. Woodrum.....	No. 5.....	4 - 0.	furnace.....	28	379
L. H. Kirby.....	Geo. Dooley.....	Cannel.....	3 - 6.	fan.....	25	380
J. S. Miller.....	John Elswick.....	No. 5.....	4 - 6.	furnace.....	48	381
J. S. Miller.....	R. L. Miller.....	No. 5.....	4 - 6.	furnace.....	37	382
J. S. Miller.....	.....	Lewiston.....	4 - 8.	.....	1	383
W. F. Harvey.....	.....	No. 5.....	4 - 0.	2 furnaces.....	11	384
W. F. Harvey.....	.....	No. 5.....	4 - 3.	.....	.....	385
G. H. P. Spruce.....	D. D. Williams.....	No. 5.....	4 - 10.	furnace.....	14	386
W. V. Rensford.....	Jeff. Atkins.....	Camp. Crk.....	5 - 6.	fan.....	56	387
W. V. Rensford.....	J. C. Smith.....	No. 5.....	5 - 0.	fan.....	176	388
W. V. Rensford.....	J. C. Smith.....	No. 5.....	5 - 0.	furnace.....		389
J. B. Ramage.....	P. J. Young.....	Coalburg.....	3 - 0.	natural.....	10	390
Wm. Dickinson.....	Ira O. Morris.....	Lewiston.....	3 - 6.	fan.....	28	391
Wm. Dickinson.....	J. M. Kelly.....	No. 5.....	6 - 0.	furnace.....	53	392
W. F. Mandt.....	H. W. Penrod.....	No. 5.....	6 - 0.	fan.....	90	393
W. F. Mandt.....	F. W. Mandt.....	Coalburg.....	5 - 0.	fan.....	.....	394
W. F. Mandt.....	Wm. Welch.....	Coalburg.....	6 - 6.	fan.....	221	395
W. F. Mandt.....	John Sims.....	No. 5.....	6 - 0.	fan.....	46	396
W. F. Mandt.....	F. W. Mandt.....	Coalburg.....	5 - 0.	fan.....	18	397
W. F. Mandt.....	F. W. Mandt.....	No. 5.....	5 - 6.	fan.....	42	398
W. F. Mandt.....	Wm. Welch.....	Ced Grove.....	5 - 0.	fan.....	53	399
Thomas Boyd.....	Thos. Boyd.....	Ced Grove.....	2 - 10.	furnace.....	31	400

*Worked two shifts.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
401	Fourth.....	<i>Kanawha Co. Con.</i> No. 1.....	drift	Kellys Creek Colliery Co.	Ward.....
402	"	No. 3.....	drift	Kellys Creek Colliery Co.	Ward.....
403	"	No. 3 ½.....	drift	Kellys Creek Colliery Co.	Ward.....
404	"	No. 4.....	drift	Kellys Creek Colliery Co.	Ward.....
405	"	Hugheson No. 2..	drift	Hughes Creek Coal Co...	Hugheson
406	"	Hugheson No. 3...	drift	Hughes Creek Coal Co...	Hugheson
407	"	No. 2.....	drift	Cannelton Coal Co.....	Cannelton
408	"	Monarch No. 1 ...	drift	The Marmet Coal Co.....	Monarch.....
409	"	Monarch No. 2	drift	The Marmet Coal Co.....	Monarch.....
410	Sixth	Butler	drift	The Marmet Coal Co.....	Marmet.....
411	"	Butler No. 2.....	drift	The Marmet Coal Co.....	Marmet.....
412	"	Butler No. 5.....	drift	The Marmet Coal Co ...	Marmet.....
413	"	No. 1.....	drift	Black Band C. & C. Co ..	Chilton.....
414	"	No. 2.....	drift	Black Band C. & C. Co ..	Chilton.....
415	"	No. 3.....	drift	Black Band C. & C. Co ..	Chilton.....
416	"	No. 4.....	drift	Black Band C. & C. Co ..	Chilton.....
417	"	No. 1.....	drift	The Olcott Coal & Iron Co	Olcott
418	"	No. 2.....	drift	The Olcott Coal & Iron Co	Olcott
419	"	<i>b</i> Davis Creek.....	drift	Davis Creek Mining Co..	Charleston....
420	"	<i>b</i> Caney Fork.....	drift	Caney Fork Coal Mining Co.....	Charleston....
421	"	<i>f</i> Gas	drift	Winifrede Coal Co.....	Winifrede
422	"	South	drift	Winifrede Coal Co.....	Winifrede
423	"	North Pick	drift	Winifrede Coal Co.....	Winifrede
424	"	North Machine.....	drift	Winifrede Coal Co.....	Winifrede
425	"	West	drift	Winifrede Coal Co.....	Winifrede
426	"	Malcolm	drift	Malcolm Coal Co.....	Lewiston.....
427	"	Ronda.....	drift	Coalburg Colliery Co.....	Ronda.....
428	"	Peerless.....	drift	Dry Branch Coal Co	Dry Branch...
429	"	Belmont.....	drift	Dry Branch Coal Co	Dry Branch...
430	"	Coalburg.....	drift	Dry Branch Coal Co	Dry Branch...
431	"	Oakley	drift	Wyatt Coal Co	Wake Forest..
432	"	Berlin	drift	Wyatt Coal Co	Wake Forest..
433	"	South	drift	Wyatt Coal Co	Wake Forest..
434	"	North	drift	Wyatt Coal Co	Wake Forest..
435	"	Wilton	drift	Persinger Coal Co	Miami.....
436	"	Wake Forest	drift	Wake Forest Mining Co.	Wake Forest..
437	"	No. 2.....	drift	The Holley & Stephenson Coal & Coke Co.....	Eskdale.....
438	"	No. 5.....	drift	The Holley & Stephenson Coal & Coke Co.....	Eskdale.....
439	"	No. 1.....	drift	The Holley & Stephenson Coal & Coke Co	Eskdale.....
440	"	<i>a</i> Coalburg.....	drift	The Holley & Stephenson Coal & Coke Co.....	Eskdale.....
441	"	<i>b</i> Nos. 1 and 2	2drifts	La Mont Mining Co.....	Beth.....
442	"	No. 3.....	drift	La Mont Mining Co.....	Beth.....
443	"	North	drift	Carbon Coal Co.	Carbon.....
444	"	South	drift	Carbon Coal Co.....	Carbon.....
445	"	No. 3	drift	Carbon Coal Co.....	Carbon.....
446	"	No. 1.....	drift	Republic Coal Co	Carbon.....
447	"	No. 2	drift	Republic Coal Co	Carbon.....
448	"	No. 3.....	drift	Republic Coal Co.....	Carbon.....
449	"	No. 1.....	drift	West Virginia Colliery Co	Wevaco
450	"	No. 2.....	drift	West Virginia Colliery Co	Wevaco
451	"	No. 3.....	drift	West Virginia Colliery Co	Wevaco
452	"	<i>c</i> No. 4.....	5drifts	West Virginia Colliery Co	Wevaco
453	"	Acme	drift	Cabin Creek Cons.Coal Co	Kayford.....
454	"	Keystone	drift	Cabin Creek Cons.Coal Co	Kayford.....
455	"	Empire.....	drift	Cabin Creek Cons.Coal Co	Kayford.....
456	"	Buckeye	drift	Cabin Creek Cons.Coal Co	Kayford.....
457	"	Shamrock	drift	Cabin Creek Cons.Coal Co	Kayford.....
458	"	Belleclare.....	drift	Cabin Creek Cons.Coal Co	Kayford.....

*a*Abandoned. *c*Just being developed. *b*Idle during the year. *f*Worked out and abandoned 2-07.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYES.**

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total inside Employees.	No.
H. T. Smarr.....	Wm. Martin.....	Coalburg	4 - 6	fan.....	175	401
H. T. Smarr.....	H. E. Taylor.....	Coalburg	5 - 0	fan.....	104	402
H. T. Smarr.....	H. E. Taylor.....	Coalburg	6 - 0	fan.....	40	403
H. T. Smarr.....	Wm. Shannon.....	Ced Grove	3 - 0	stack....	13	404
J. W. Moore.....	John Nugent.....	Coalburg	5 - 2	fan.....	219	405
J. W. Moore.....	A. Archibald.....	Coalburg	5 - 2	fan.....		406
Langdon Lea.....	Neil McCafferty.....	No. 2. Gas	6 - 10	fan.....	84	407
R. T. Price.....	W. H. Morris.....	Ced Grove	3 - 2	fan.....	89	408
R. T. Price.....	W. H. Morris.....	Ced Grove	3 - 2	fan.....		409
R. T. Price.....	Sam Selby.....	Win'frede	4 - 6	fan&furn.	95	410
R. T. Price.....	J. W. Shephard.....	Lens Ork.	3 - 0	fan.....	31	411
R. T. Price.....	Charles Snodgrass.....	No. 5.....	6 - 0	natural...	8	412
A. D. Eatherly.....	O. F. Snodgrass.....	Bl'k Band	2 - 9	fan.....	44	413
A. D. Eatherly.....	John Songer.....	Bl'k Band	2 - 7	fan.....	75	414
A. D. Eatherly.....	G. E. Sanford.....	Bl'k Band	2 - 7	fan.....	48	415
A. D. Eatherly.....	Pete Mooney.....	Bl'k Band	2 - 8	fan.....	69	416
F. H. Palmer.....	B. F. Thorne.....	Bl'k Band	3 - 5	furnace...	30	417
F. H. Palmer.....	C. E. Griffith.....	Bl'k Band	4 - 0	furnace...	52	418
.....	.....	Bl'k Band	.....	.....	.....	419
.....	.....	Bl'k Band	.....	.....	.....	420
R. B. Cassady.....	J. H. Burns.....	Peerless..	2 - 5	fan.....	40	421
R. B. Cassady.....	John Gay.....	Win'frede	5 - 0	fan.....	106	422
R. B. Cassady.....	Wm. Stuart.....	Win'frede	5 - 0	fan.....	92	423
R. B. Cassady.....	Wm. Stuart.....	Win'frede	5 - 0	fan.....		424
R. B. Cassady.....	Jno. S. Williams.....	Win'frede	5 - 0	fan.....	61	425
M. P. Malcom.....	James Hemmings.....	Peerless..	2 - 6	furnace...	28	426
Wm. Dils.....	Dan Morris.....	Coalburg	6 - 0	fan & nat'l	83	427
J. H. Carter.....	Henry V. Volers.....	Peerless..	3 - 10	fan.....	36	428
J. H. Carter.....	R. M. Odell.....	Belmont..	3 - 6	fan.....	136	429
J. H. Carter.....	R. M. Odell.....	Coalburg	4 - 6	furnace..		430
Wm. Laing.....	J. L. Perfater.....	Lewiston	4 - 8	fan.....	40	431
David Evandoll.....	J. P. Martin.....	No. 2. Gas	5 - 6	fan.....	49	432
A. W. Laing.....	James Ralsbeck.....	Coalburg	4 - 7	fan.....	80	433
A. W. Laing.....	James Ralsbeck.....	Coalburg	5 - 8	fan.....	10	434
J. T. McAllister.....	O. H. McAllister.....	Ced Grove	3 - 0	fan.....	10	435
J. O. Grymes.....	Jesse Gardner.....	No. 2. Gas	5 - 0	fan.....	47	436
F. H. McClung.....	J. M. McDonough.....	No. 2. Gas	4 - 11	fan.....	45	437
F. H. McClung.....	John Eastham.....	Lewiston	5 - 6	fan.....	27	438
F. H. McClung.....	Harrison Hall.....	No. 2. Gas	3 - 10	fan.....	5	439
F. H. McClung.....	.....	Coalburg	.....	.....	.....	440
Paul L. James.....	Logan Linville.....	No. 2. Gas	.....	fan.....	.....	441
Paul L. James.....	W. T. Gosney.....	Lewiston	6 - 0	fan.....	45	442
O. A. Cabell.....	Thos. Baldwin.....	No. 2. Gas	5 - 6	fan.....	46	443
O. A. Cabell.....	Lee Jenkins.....	No. 2. Gas	5 - 8	3 fans....	70	444
O. A. Cabell.....	Lee Jenkins.....	No. 5.....	6 - 0	fan.....	34	445
Frank Homan.....	Owen Meadows.....	No. 2. Gas	5 - 0	fan.....	47	446
Frank Homan.....	H. J. Wills.....	No. 2. Gas	5 - 6	fan.....	43	447
Frank Homan.....	J. L. Winkler.....	No. 2 Gas	5 - 2	fan.....	26	448
John Holmes.....	George Buckle.....	No. 2 Gas	6 - 0	fan.....	81	449
K. D. Quarrier.....	Dan Workman.....	No. 2 Gas	4 - 4	fan.....	43	450
K. D. Quarrier.....	Charles Petty.....	No. 5 (?)..	6 - 0	natural...	19	451
K. D. Quarrier.....	Robt. Walker.....	No. 2 Gas	.....	natural...	.....	452
M. W. Murphy.....	O. E. Foster.....	Coalburg.	5 - 6	fan.....	19	453
M. W. Murphy.....	John T. Scott.....	No. 2 Gas	5 - 2	fan.....	58	454
M. W. Murphy.....	J. S. Stanley.....	No. 2 Gas	5 - 0	fan.....	39	455
M. W. Murphy.....	W. S. Holmes.....	No. 2 Gas	5 - 8	natural...	17	456
Ohas. Hendrie.....	J. Bragg.....	No. 2 Gas	5 - 10	fan.....	69	457
A. P. Sherer.....	Joe Filkins.....	No. 2 Gas	5 - 6	fan.....	42	458

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening	Name of Company.	Postoffice Address.
Kanawha Co. Con.					
459	Sixth	Ruby	drift	Cabin Creek Cons. Coal Co	Kayford
460	"	<i>b</i> Decota	drift	Cabin Creek Cons. Coal Co	Kayford
461	"	Holly	drift	Cabin Creek Cons. Coal Co	Kayford
462	"	Quarrier	drift	Cabin Creek Cons. Coal Co	Kayford
463	"	Red Warrior	drift	Cabin Creek Cons. Coal Co	Kayford
464	"	Cherokee	drift	Cabin Creek Cons. Coal Co	Kayford
465	"	Davis	drift	Cabin Creek Cons. Coal Co	Kayford
466	"	Caledonia	drift	Cabin Creek Cons. Coal Co	Kayford
467	"	Thistle	drift	Cabin Creek Cons. Coal Co	Kayford
468	"	Rose	drift	Cabin Creek Cons. Coal Co	Kayford
469	"	Raccoon	drift	Cabin Creek Cons. Coal Co	Kayford
470	"	United Gas	drift	Cabin Creek Cons. Coal Co	Kayford
471	"	United Splint	drift	Cabin Creek Cons. Coal Co	Kayford
472	"	Kayford	<i>*dr. & sl</i>	Cabin Creek Cons. Coal Co	Kayford
473	"	Klondike	drift	Coalburg-Kanawha Coal Co.	Coalburg
474	"	No. 5	drift	Coalburg-Kanawha Coal Co.	Coalburg
475	"	No. 6	drift	Coalburg-Kanawha Coal Co.	Coalburg
476	"	<i>b</i> Bluehole	drift	Coalburg-Kanawha Coal Co.	Coalburg
477	"	Lewiston	drift	Belmont Coal Co	Crown Hill
478	"	Coalburg	drift	Belmont Coal Co	Crown Hill
479	"	New Coalburg	drift	Belmont Coal Co	Crown Hill
480	"	No. 8	drift	Equitable Coal Co.	Crown Hill
481	"	Black Cat	drift	Southwestern Splint Fuel Co.	Crown Hill
482	"	Reynolds	drift	Paint Creek Collieries Co.	Charleston
483	"	Klickerbocker	drift	Paint Creek Collieries Co.	Charleston
484	"	Seranton	drift	Paint Creek Collieries Co.	Charleston
485	"	Paint Creek	drift	Paint Creek Collieries Co.	Charleston
486	"	Grose No. 1	drift	Paint Creek Collieries Co.	Charleston
487	"	Grose No. 2	drift	Paint Creek Collieries Co.	Charleston
488	"	Greenbrier No. 2	drift	Paint Creek Collieries Co.	Charleston
489	"	Greenbrier No. 3	drift	Paint Creek Collieries Co.	Charleston
490	"	Wacomah	drift	Paint Creek Collieries Co.	Charleston
491	"	Detroit	drift	Paint Creek Collieries Co.	Charleston
492	"	Morton No. 1	drift	Paint Creek Collieries Co.	Charleston
493	"	Nuckolls	drift	Paint Creek Collieries Co.	Charleston
494	"	Banner No. 1	drift	Paint Creek Collieries Co.	Charleston
495	"	Banner No. 2	drift	Paint Creek Collieries Co.	Charleston
496	"	Standard	drift	Standard Splint & Gas Coal Co.	Standard
497	"	No. 1	drift	Imperial Colliery Co.	Burnwell
498	"	No. 2	drift	Imperial Colliery Co.	Burnwell
499	"	No. 3	drift	Imperial Colliery Co.	Burnwell
500	"	No. 1	drift	Chesapeake Mining Co.	Handley
501	"	No. 2	drift	Chesapeake Mining Co.	Handley
502	"	No. 3	drift	Chesapeake Mining Co.	Handley
503	"	Kanawha	drift	Montgomery Coal Co.	Montgomery
504	Fifth	Morris Creek	drift	Morris Creek Coal Co.	Montgomery
Mason County.					
505	Fourth	Linden	drift	Mason City Coal Mining Co.	Mason
506	"	Jackson	drift	Liverpool Salt & Coal Co.	Hartford
507	"	Hartford	slope	Hartford Coal & Mining Co.	Hartford
508	"	Camden	drift	Consumers Coal & Mining Co.	Spilman
509	"	Klondike	drift	Hanging Rock Coal Co.	Hartford
510	"	Beech Grove	drift	Beech Grove Coal Co.	Mason
511	"	<i>d</i> Dixie	drift	Dixie Coal Works	Mason

*b*Idle during the year. *d*Being reopened. ***Drift and slope.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS. AND TOTAL NUMBER
OF INSIDE EMPLOYES.

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total inside employees.	No.
A. P. Sherer.....	John Petry.....	Coalburg.	5 - 6..	natural...	19	459
A. P. Sherer..		Eagle.....	3 - 6..			460
H. L. Fisher.....	T. J. Gosnay.....	No. 2 Gas	4 - 10..	fan.....	54	461
H. L. Fisher.....	J. W. Branham.....	No. 2 Gas	5 - 4..	fan.....	52	462
J. B. Ramage.....	J. W. Gay.....	No. 2 Gas	5 - 6..	fan.....	37	463
J. B. Ramage.....	J. G. Vaughan.....	No. 2 Gas	5 - 0..	fan.....	53	464
Robt. E. Thompson..	Robt. E. Thompson..	Lewiston	5 - 8..	fan.....	51	465
J. B. Ramage.....	Alex Stover.....	No. 2 Gas	4 - 6..	fan.....	28	466
Chas. Hendrie.....	Moray Darby.....	No. 2 Gas	4 - 8..	fan.....	60	467
Chas. Hendrie.....	W. S. Holmes.....	Coalburg.	6 - 6..	2furnaces.	26	468
Chas. Hendrie.....	E. R. Johnson.....	No. 2 Gas	5 - 0..	2fans.....	73	469
A. P. Sherer.....	Geo. Moran.....	No. 2 Gas	5 - 2..	fan.....	96	470
A. P. Sherer.....	E. S. Holmes.....	Coalburg.	6 - 0..	furnace...	18	471
Chas. Hendrie.....	Edward Barrass.....	No. 2 Gas	5 - 10..	fan.....	61	472
J. A. Willis.....	John Cary.....	Ced Grove	2 - 9..	furnace...	23	473
J. A. Willis.....	John Burgraph.....	Coalburg.	5 - 8..	fan.....	42	474
J. A. Willis.....	T. F. Neylan.....	No. 5.....	5 - 8..	natural...	6	475
J. A. Willis.....	John Burgraph.....	Lewiston.	3 - 6..	furnace...		476
E. M. McConihay....	Ed Hope.....	Lewiston.	3 - 9..	fan.....	12	477
E. M. McConihay....	Ed Hope.....	Coalburg.	6 - 0..	natural...	16	478
E. M. McConihay....	Ed Hope.....	Coalburg.	6 - 0..	fan.....	66	479
E. S. Brewer.....	Harry Conway.....	Coalburg.	4 - 8..	fan.....	160	480
W. E. Diel.....	Dan Hudnall.....	Coalburg.	7 - 0..	fan.....	73	481
J. R. Mucklow.....	Wm. Clendenin.....	Lewiston.	4 - 0..	fan.....		482
J. R. Mucklow.....	Thomas Young.....	Bl'k Band	3 - 6..	furnace...	47	482
John A. Greene.....	John Cox.....	Bl'k Band	3 - 4..	3furnaces.	60	483
John A. Greene.....	Thos. Burke.....	Coalburg.	5 - 0..	fan.....	65	484
O. W. Rogers.....	J. W. Rhodes.....	Coalburg.	7 - 0..	fan.....	84	485
O. W. Rogers.....	J. W. Rhodes.....	Eagle.....	3 - 6..	2furnaces	12	486
O. W. Rogers.....	J. W. Rhodes.....	Powellton.	6 - 0..	furnace...	22	487
O. W. Rogers.....	P. T. Berry.....	No. 2 Gas	4 - 6..	fan.....	53	488
O. W. Rogers.....	Lee Patrick.....	Winifrede	6 - 0..	fan.....	32	489
John A. Greene.....	Harry Johnson.....	Coalburg.	5 - 6..	fan&furn.	88	490
O. W. Rogers.....	Elbin Carrow.....	Eagle.....	4 - 0..	fan.....	22	491
O. W. Rogers.....	Elbin Carrow.....	Eagle.....	4 - 0..	2furnaces	49	492
O. W. Rogers.....	Dan Kelly.....	No. 2 Gas	3 - 10..	furnace...	57	493
Jno. A. Greene.....	D. L. Waters.....	Coalburg.	6 - 0..	fan.....	53	494
Jno. A. Greene.....	D. L. Waters.....	Lewiston.	5 - 0..	furnace...	17	495
J. A. Straughan.....	Ed. Faulkner.....	Coalburg.	7 - 6..	fan.....	98	496
Quinn Morton.....	Thos. Seacrist.....	Eagle.....	5 - 8..	fan.....	62	497
Quinn Morton.....	O. B. Johnson.....	Eagle.....	3 - 6..	fan.....	48	498
Quinn Morton.....	Homer Howell.....	Eagle.....	4 - 8..	fan.....	43	499
R. O. Lewis.....	Alex Thompson.....	Kanawha.	5 - 0..	fan.....	81	500
R. O. Lewis.....	Geo. Walker.....	No. 2 Gas	4 - 3..	fan.....		501
R. O. Lewis.....	Geo. Walker.....	Coalburg.	4 - 3..	4furnaces.	77	502
S. H. Montgomery..	S. P. Johnson.....	Kanawha.	5 - 0..	2fans.....	69	503
F. C. Todd.....	John Absalom.....	Kanawha	5 - 0..	fan.....	58	504
C. J. Ryan.....	John G. Roush...	Pittsburg.	4 - 6..	fan.....	42	505
H. S. Smith.....	Samuel Edwards.....	Pittsburg.	4 - 6..	fan.....	28	506
H. G. Greer.....	John Roy.....	Pittsburg.	5 - 4..	fan.....	35	507
Authur Mitchell.....	James Smith.....	Pittsburg.	4 - 0..	fan.....	60	508
Howard Robinson....	Robt. Knight.....	Pittsburg	4 - 10..	furnace...	18	509
Joseph Icenhower...	H. H. Williams.....	Pittsburg	5 - 0..	natural...	42	510
G. H. Gress.....	Ben Phillips.....	Pittsburg	4 - 6..	furnace.....		511

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
<i>Nicholas County.</i>					
512	Fourth	Bell Creek	drift	Bell Creek Coal Co	Belva
513	"	No. 1	drift	The Columbus Coal Co.	Vaughan
514	"	No. 2	drift	The Columbus Coal Co.	Vaughan
515	"	Cambria	drift	Kentucky Coal & Lumber Co.	Cambria
516	"	Mt. Carmel	drift	Kentucky Coal & Lumber Co.	Cambria
517	"	National	drift	Kentucky Coal & Lumber Co.	Cambria
518	"	Arminius	drift	Arminius Coal Co.	Scotford
519	"	Raven	drift	Paint Creek Collieries Co.	Charleston
<i>Putnam County.</i>					
520	Fourth	Plymouth	drift	Plymouth Coal & Mining Co.	Plymouth
521	"	Manilla	drift	Plymouth Coal & Mining Co.	Plymouth
522	"	California	drift	Plymouth Coal & Mining Co.	Plymouth
523	"	Big Otto No. 1	drift	The Otto Marmet Coal & Mining Co.	Raymond City
524	"	Big Otto No. 2	drift	The Otto Marmet Coal & Mining Co.	Raymond City
525	"	Big Otto No. 3	drift	The Otto Marmet Coal & Mining Co.	Raymond City
526	"	Black Betsey No. 1	drift	Black Betsey Coal & Mining Co.	Black Betsey
527	"	Black Betsey No. 2	drift	Black Betsey Coal & Mining Co.	Black Betsey
528	"	Oak Forest	slope	The Oak Forest Coal & Mining Co.	Oak Forest
529	"	Alpha	drift	The Alpha Coal Mining Co.	Plymouth
<i>Greenbrier County.</i>					
530	Fifth	Lost Flat	drift	Elk Lick Coal Co.	Richwood
<i>Raleigh County.</i>					
531	Sixth	cDorothy	drift	Big Coal Co.	Dorothy
532	Fifth	Royal	drift	New River Collieries Co.	Thurmond
533	"	Lanark	drift	New River Collieries Co.	Thurmond
534	"	cEccel Nos. 1 & 2	2shaft	New River Collieries Co.	Thurmond
535	"	No. 3	drift	Raleigh Coal & Coke Co.	Raleigh
536	"	No. 1	drift	Raleigh Coal & Coke Co.	Raleigh
537	"	No. 2	drift	Raleigh Coal & Coke Co.	Raleigh
538	"	No. 4	drift	Raleigh Coal & Coke Co.	Raleigh
539	"	No. 5	drift	Raleigh Coal & Coke Co.	Raleigh
540	"	Wright	drift	The Wright Coal & Coke Co.	Wright
541	"	Pack	drift	The Wright Coal & Coke Co.	Wright
542	"	Piney No. 1	drift	Piney Coal & Coke Co.	Stanaford
543	"	Piney No. 2	drift	Piney Coal & Coke Co.	Stanaford
544	"	Piney No. 3	drift	Piney Coal & Coke Co.	Stanaford
545	"	Piney No. 4	drift	Piney Coal & Coke Co.	Stanaford
546	"	Stonewall	drift	Stonewall Coal & Coke Co.	Terry
547	"	Terry	drift	Stonewall Coal & Coke Co.	Terry
548	"	cStonewall No. 4	drift	Stonewall Coal & Coke Co.	Terry
549	"	Oswald	drift	McKell Coal & Coke Co.	Glen Jean
550	"	Sidney	drift	McKell Coal & Coke Co.	Glen Jean
551	"	Graham	drift	McKell Coal & Coke Co.	Glen Jean
552	"	Blue Jay	drift	Blue Jay Coal & Lumber Co.	Blue Jay
553	"	Lewis	drift	Home Coal Co.	Wickham
554	"	Beckley	slope	Beckley Coal & Coke Co.	Wickham
555	"	Mabscott	drift	Mabscott Coal & Coke Co.	Mabscott
556	"	Oranberry	shaft	Oranberry Fuel Co.	Skelton

cJust being developed.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYES.**

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. in.	Kind of Ventilation.	Total Inside Employees.	No.
O. G. Wood.....	Scott Taylor.....	Coalburg..	4 - 0..	fan.....	39	512
G. W. Hope.....	John H. Kirby.....	No. 2. Gas	4 - 4..	furnace...	8	513
G. W. Hope.....	John H. Kirby.....	Coalburg..	3 - 10..	furnace...	15	514
L. D. Burns	Charles Boggs.....	Coalburg..	4 - 6..	furnace...	23	515
L. D. Burns.....	L. H. Arthur.....	Coalburg..	4 - 6..	fan.....	28	516
L. D. Burns.....	O. O. Bayles.....	Coalburg..	4 - 4..	furnace...	19	517
G. E. Smith.	S. W. Smith.....	Coalburg..	4 - 8..	furnace...	12	518
F. H. Snyder.....	J. H. Walker	Coalburg..	3 - 7..	fan.....	14	519
W. O. Mitchell.....	Joseph Virgin.....	Pittsburg	5 - 6..	2 fans	36	520
W. O. Mitchell.....	Joseph Virgin.....	Pittsburg	5 - 6..	fan.....	91	521
W. O. Mitchell.....	Joseph Virgin.....	Pittsburg	5 - 6..	fan	47	522
Edward Schonebaum	Andrew Utt.	Pittsburg	5 - 8 }	fan.....	250	523
Edward Schonebaum	Robt. Fields.	Pittsburg	5 - 8 }			524
Edward Schonebaum	Robt. Fields.....	Pittsburg	5 - 8..	fan.....		525
Lloyd Parkins.....	J. W. Hargraves.....	Pittsburg	5 - 8..	fan & furn.)	357	526
Lloyd Parkins.....	J. W. Hargraves	Pittsburg	5 - 8..	fan.....		527
D. L. Thomas.....	Wm. Thomas.....	Pittsburg	3 - 10..	fan.....	19	528
Robt. G. Gill... ..	Thomas Caruthers....	Pittsburg	4 - 0..	fan.....	11	529
H. W. Armstrong....	H. P. Jones	Fire Cre'k	4 - 0..	fan.....	25	530
O. E. Sandberg.....	Robt. Kirk.....	Coalburg..	11 - 6..	furnace...	15	531
S. M. Miller.....	R. O. Hume.....	Fire Ore'k	4 - 0..	natural...	56	532
S. M. Miller.....	Wm. Noble.....	Sewell....	4 - 6..	natural...	73	533
S. M. Miller.....	.....	Beckley ..	3 - 6..	.....	.....	534
J. M. Moore.....	Ed. Zwilling.....	Beckley ..	4 - 6..	fan.....	171	535
J. M. Moore.....	James P. White.....	Beckley ..	4 - 6..	fan.....	88	536
J. M. Moore.....	James P. White.....	Beckley ..	4 - 6..	fan.....		537
J. M. Moore.....	James P. White.....	Beckley ..	4 - 6..	fan.....		538
J. M. Moore.....	L. Z. Cornett	Sewell....	4 - 0..	fan.....	12	539
W. Gaston Caperton..	Wm. Hurt.....	Fire Ore'k	3 - 6..	fan.....	84	540
W. Gaston Caperton..	J. A. Davis.....	Fire Ore'k	3 - 6..	furnace...	39	541
Charles Jasper	I. E. Price.....	Beckley ..	5 - 6..	fan.....	67	542
Charles Jasper.....	J. O. Vaught.....	Beckley ..	5 - 6..	furnace...	54	543
Charles Jasper.....	M. L. McGinnis.	Sewell....	4 - 5..	fan.....	66	544
Charles Jasper.....	G. J. Richardson	Beckley ..	6 - 0..	furnace...	40	545
F. M. Lee.....	E. J. Robertson.....	Sewell....	5 - 0..	furnace...	38	546
F. M. Lee.....	Frank Beard.....	Fire Ore'k	4 - 0..	furnace...	50	547
F. M. Lee.....	.....	Fire Ore'k	3 - 0..	.....	.....	548
F. B. Imboden.....	Geo. Smedley.....	Sewell....	4 - 8..	fan.....	88	549
F. B. Imboden.....	Geo. Smedley	Sewell....	5 - 0..	fan.....	38	550
F. Hindson.....	John Warren	Sewell....	4 - 10..	fan.....	61	551
P. O. Lynch.....	Pat. McQuade.....	Beckley ..	6 - 0..	natural...	19	552
M. Thomas.....	Jesse Thomas.....	Sewell....	4 - 6..	natural...	17	553
W. J. Elgin.....	John F. Davis.....	Sewell....	4 - 4..	fan.....	110	554
W. J. Elgin.....	Lemuel Smith.....	Sewell....	4 - 2..	fan.....	60	555
A. N. Humphreys Jr.	J. M. Sanderson.....	Sewell....	4 - 0..	fan.....	27	556

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
Raleigh County Con.					
557	Fifth	Prosperity	shaft	Cranberry Fuel Co.	Skelton
558	"	Skelton	slope	Cranberry Fuel Co.	Skelton
559	"	Sprague	slope	Cranberry Fuel Co.	Skelton
560	"	Price Hill	shaft	Price Hill Fuel Co.	Macdonald
Lincoln County.					
561	Sixth	Rochester	drift	Rochester Coal Co.	Branchland
562	"	Lincoln No. 1	drift	Branchland Coal Co.	Branchland
563	"	bBrown City	drift	Branchland Coal Co.	Branchland
564	"	bEden Park	drift	Eden Park Coal Co.	Huntington
Logan County.					
565	Sixth	Monitor & Beechwood	2drifts	The Monitor Coal & Coke Co.	Logan
566	"	Gay	drift	The Gay Coal & Coke Co.	Logan
567	"	Draper	drift	Draper Coal & Coke Co.	Logan
568	"	Big Oreek	drift	Big Oreek Coal Co.	Stone Branch
569	"	Island Oreek No. 1	drift	United States Coal & Oil Co.	Holden
570	"	Island Oreek No. 2	drift	United States Coal & Oil Co.	Holden
571	"	cIsland Oreek No. 3	drift	United States Coal & Oil Co.	Holden
572	"	Stone Branch	drift	Stone Branch Coal Co.	Stone Branch
573	"	Logan No. 1	drift	Logan Coal Co.	Ethel
574	"	Yuma	drift	Yuma Coal & Coke Co.	Logan
575	"	Fort Branch	drift	Fort Branch Coal Co.	Fort Branch
576	"	Cora	drift	Cora Coal & Coke Co.	Logan
577	"	Prudential	drift	Prudential Coal & Mining Co.	Big Creek
578	"	Rex	drift	Rex Coal & Coke Co.	Ethel
579	"	Odd	drift	Odd Coal & Coke Co.	Ethel
580	"	Ethel	drift	Ethel Coal Co.	Ethel
581	"	Wilson	drift	H. T. Wilson Coal Co.	Logan
Mingo County.					
582	Sixth	fCamp Branch	drift	Pearl Coal Mining Co.	Dingess
583	"	Haggerty	drift	Pearl Coal Mining Co.	Dingess
584	"	Alma	drift	Belvedere Gas Coal Co.	Sprigg
585	"	Rutherford	drift	Red Jacket Consolidated Coal & Coke Co.	Red Jacket
586	"	Red Jacket	drift	Red Jacket Consolidated Coal & Coke Co.	Red Jacket
587	"	Logan	drift	Red Jacket Consolidated Coal & Coke Co.	Red Jacket
588	"	Maritime	drift	Red Jacket Consolidated Coal & Coke Co.	Thacker
589	"	Lick Fork	drift	Red Jacket Consolidated Coal & Coke Co.	Thacker
590	"	Grapevine	drift	Red Jacket Consolidated Coal & Coke Co.	Edgerton
591	"	No. 2	drift	Thacker Coal & Coke Co.	Thacker Mines
592	"	No. 3	drift	Thacker Coal & Coke Co.	Thacker Mines
593	"	Lynn	drift	Thacker Coal & Coke Co.	Sheppard
594	"	No. 10	drift	Thacker Fuel Co.	New Thacker
595	"	No. 1	drift	Glen Alum Coal Co.	Glen Alum
596	"	No. 2	drift	Glen Alum Coal Co.	Glen Alum
597	"	bNolan	drift	Big Splint Coal Co.	Nolan
598	"	War Eagle	drift	War Eagle Coal Co.	War Eagle
599	"	Pappoose	drift	War Eagle Coal Co.	War Eagle
600	"	Mephisto	drift	War Eagle Coal Co.	War Eagle
601	"	Star	drift	War Eagle Coal Co.	War Eagle

bIdle during the year. cJust being developed. fWorked out and abandoned. hIn definitely closed 5-1-07.

**NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.**

Name of Superintendent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total inside employees.	No.
A. N. Humphreys, Jr.	W. J. Elcher	Sewell	4 - 0	fan.	30	557
A. D. Callihan	Wm. Nicholson	Sewell	4 - 0	fan.	61	558
A. D. Callihan	E. T. Hudson	Sewell	4 - 0	fan.	46	559
H. H. Pinkney	Zack Evans	Sewell	4 - 6	fan.	89	560
P. H. Grelle	Charles Estep	Stockton	7 - 0	furnace	4	561
G. W. Coyle	Lon Reeves	Kanawha	6 - 6	furnace	28	562
G. W. Coyle		Kanawha				563
F. D. Caldwell, Pres.		Kanawha				564
J. E. Barlow	E. M. Stephens	Winifrede	6 - 6	2 fans	80	565
H. S. Gay	Fred Kellerman	Winifrede	5 - 9	fan.	41	566
F. S. Lee	John Stephens	Winifrede	4 - 6	furnace	53	567
W. T. Oliver	John Early	Kanawha	4 - 0	furnace	119	568
Paul Hardy	J. M. Moore	Winifrede	6 - 4	fan	180	569
Paul Hardy	W. G. Lax	Winifrede	6 - 4	fan	205	570
Paul Hardy						571
Joel T. Adams	Goodman Brennan	No. 2 Gas	4 - 0	furnace	45	572
W. L. Croft	R. S. Baldwin	Winifrede	5 - 0	furnace	70	573
W. H. Barlow	W. L. Stevens	Winifrede	7 - 0	fan	25	574
C. E. Stafford	F. R. Kitchen	Winifrede	4 - 6	furnace	20	575
C. W. Jones	James Hall	Winifrede	6 - 0	fan	18	576
S. C. Fisher	S. C. Fisher	Winifrede	3 - 10	furnace	16	577
Bernard G. Call	G. H. Bolen	Winifrede	5 - 8	furnace	12	578
J. W. Mitchell	L. H. Jackson	Winifrede	5 - 2	furnace	15	579
C. A. Devenny	Ed Davidson	Winifrede	5 - 0	furnace	28	580
F. S. Lee	Geo. Campbell	Winifrede	4 - 6	fan	20	581
J. F. Kent	A. Mitchell	oLo Kitt'g	4 - 0	furnace	9	582
J. F. Kent	Geo. Castle	Lo. Kittan	4 - 0	fan	37	583
J. F. Kent	W. H. Adams	Brownstown	3 - 6	furnace	23	584
W. R. Wilburn	Geo. Wilburn	oThacker	4 - 8	fan	132	585
W. R. Wilburn	Mark Hyrne	Thacker	4 - 0	2 fans	218	586
W. R. Wilburn	Geo. Barney	Thacker	4 - 8	fan	24	587
E. C. Lambert	D. T. Karnes	Thacker	4 - 10	fan	76	588
E. C. Lambert	A. Copley	Thacker	6 - 10	2 furnaces	128	589
E. C. Lambert	James Gent	Thacker	12 - 0	furnace	121	590
James Collins	Wm. Pontious	Thacker	6 - 6	fan	100	591
James Collins	Peter Kerr	Thacker	6 - 6	fan	135	592
James Collins	Will Roehrer	Thacker	5 - 0	furnace	24	593
James Collins	Charles Sigman	Thacker	6 - 6	furnace	81	594
P. P. Flanagan	Frank McClosky	Thacker	6 - 3	fan		595
P. P. Flanagan	T. J. Connelly	Thacker	6 - 3	fan	111	596
W. D. Waltz	Joseph H. Gray	Winifrede	4 - 0	furnace	14	597
G. W. Coffey	M. F. Booth	Kittan'ng	6 - 0	furnace	107	598
G. W. Coffey	J. K. Coffey	Kittan'ng	6 - 0	furnace	119	599
G. W. Coffey	J. A. Earnest	Kittan'ng	6 - 0	furnace	114	600
G. W. Coffey	James McBrayer	Lo. Kittan	6 - 0	furnace	92	601

oLower Kittanning and Thacker are same seam.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
Mingo County Con.					
602	Sixth	Hatfield	drift	Hatfield Colliery Co.	Rucker
603	"	<i>h</i> Jackson	drift	Culross Coal Co.	Nolan
604	"	No. 1	drift	Mate Creek Coal Co.	Matewan
605	"	No. 2	drift	Mate Creek Coal Co.	Matewan
606	"	Marvin No. 1	drift	Marvin Coal Co.	Matewan
607	"	<i>c</i> Marvin No. 2	drift	Marvin Coal Co.	Matewan
608	"	Margaret No. 1	drift	Margaret Mining Co.	War Eagle
609	"	Margaret No. 2	drift	Margaret Mining Co.	War Eagle
610	"	Cedar	drift	Majestic Collieries Co.	Cedar
611	"	Commercial	2drifts	Merrimac Coal & Coke Co.	Merrimac
612	"	Coaling Station	drift	Merrimac Coal & Coke Co.	Merrimac
613	"	Williamson No. 1	drift	Williamson Coal & Coke Co.	Williamson
614	"	Williamson No. 2	drift	Williamson Coal & Coke Co.	Williamson
615	"	Sugar Tree	drift	Winifrede Consolidated Coal Co.	Goodman
616	"	Howard	drift	Howard Colliery Co.	Chattaroy
617	"	Chattaroy	drift	Chattaroy Colliery Co.	Chattaroy
618	"	Buffalo	drift	The Buffalo Collieries Co.	Chattaroy
619	"	Rawl No. 1	drift	Leftwich & Taylor	Rawl
620	"	<i>b</i> Rawl No. 2	drift	Leftwich & Taylor	Rawl
621	"	Walnut Hill	drift	Walnut Hills Coal & Mining Co.	Naugatuck
622	"	Lingohocken No 1	drift	Lingohocken Coal Co.	Chattaroy
623	"	Warfield	shaft	Warfield Coal Co.	Kermit
624	"	Sycamore	drift	Sycamore Coal Co.	Williamson
625	"	Mattie May	drift	Mattie May Coal & Coke Co.	Eugene
626	"	<i>c</i> No. 1	3drifts	The Mingo Block Coal Co.	Williamson
Wayne County.					
627	Sixth	East Lynn No. 1	drift	East Lynn Coal Co.	East Lynn
McDowell County.					
628	*Seventh...	<i>a</i> Big Four	drift	Algoma Coal & Coke Co.	Algoma
629	"	Piney	drift	Algoma Coal & Coke Co.	Algoma
630	"	North Fork	drift	Algoma Coal & Coke Co.	Algoma
631	"	Gilliam	drift	Gilliam Coal & Coke Co.	Gilliam
632	"	Roanoke	drift	Roanoke Coal & Coke Co.	Worth
633	"	Indian Ridge	drift	Indian Ridge Coal & Coke Co.	Worth
634	"	Arlington	drift	Arlington Coal & Coke Co.	McDowell
635	"	Greenbrier	drift	Greenbrier Coal & Coke Co.	McDowell
636	"	McDowell	drift	McDowell Coal & Coke Co.	McDowell
637	"	Ashland No. 1	drift	Ashland Coal & Coke Co.	Ashland
638	"	Ashland No. 2	drift	Ashland Coal & Coke Co.	Ashland
639	"	Elk Ridge Nos. 1 & 2	2drifts	Elk Ridge Coal & Coke Co.	Kyle
640	"	Norfolk	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
641	"	Angle	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
642	"	Lick Branch	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
643	"	Delta	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
644	"	Shamokin	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
645	"	Cherokee	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va

*Seventh District. William Warner, Inspector. *h*Indefinitely closed 5-1-07. *c*Just being developed. *b*Idle during the year. *a*Abandoned.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS WORKED AND THICKNESS. AND TOTAL NUMBER OF INSIDE EMPLOYES.

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employes.	No.
J. R. White	O. O. New.....	Winifrede	4 - 0..	furnace...	41	602
W. J. Frey	H. Endicott.....	Winifrede	3 - 6..	natural...	22	603
S. T. Lambert.....	J. F. Dickenson.....	M. Kittan	3 -10..	furnace. }	40	604
S. T. Lambert.....	J. F. Dickenson.....	Thacker..	3 -10..	furnace. }		605
J. A. Williams ...	G. F. Booth.....	Brownstown.	4 - 0..	furnace...	38	606
J. A. Williams	J. W. Stewart.	Thacker..	.....	furnace...	.....	607
A. H. Dangerfield ...	L. J. Blankenship....	Thacker..	6 - 0..	fan .. }	65	608
A. H. Dangerfield ...	L. J. Blankenship....	Thacker..	6 - 0..	fan .. }		609
A. B. Rawn.....	L. A. Harrison.....	Lo. Kittan	3 - 0..	2 furnaces	15	610
J. T. Woody.....	E. B. Varney.....	Lo. Kittan	3 - 6..	furnace...	24	611
J. T. Woody	K. L. Brogans	Brownstown.	3 - 6..	furnace...	34	612
W. T. Poole.....	H. H. Kelley.....	M. Kittan	4 - 2..	furnace...	32	613
W. T. Poole.....	E. D. Davies.....	Lo. Kittan	4 - 2..	furnace...	38	614
W. A. Hurst.....	A. Mitchell.....	Winifrede	5 - 0..	furnace...	24	615
W. S. Estler.....	R. G. Olayter.....	Winifrede	6 - 0..	furnace...	49	616
O. E. Tabor.....	O. E. Tabor.....	Winifrede	5 - 6 }	2 furnaces	75	617
S. V. Preston	O. D. Jefferson.....	Coalburg	.....	.....
R. N. Taylor	John Newcomb	Winifrede	4 - 8..	fan.....	27	618
R. N. Taylor ...	.....	Lo. Kittan	3 -10..	furnace...	25	619
.....	.....	Kittan'ng	.....	.....	.....	620
J. G. Thomas.....	Wm. Paisley	Winifrede	4 - 0..	furnace...	35	621
W. P. Buckwalker....	Floyd Golden.....	Winifrede	4 - 0..	furnace...	64	622
H. G. Happersett	B. D. Pinson	Lo. Kittan	4 - 0..	furnace...	28	623
Chas. Culross .....	.....	.....	3 - 0..	.....	2	624
J. M. Wright.....	Geo. Morgan.....	Winifrede	4 - 6..	furnace...	8	625
Henry M. Payne	Albert McKinney... }	Winifrede	10 - 3 }	.....	.....	626
.....	.....	Thacker..	8 - 6 }	.....	
.....	.....	Gas	4 - 0 }	.....	
Adam Lindley	Adam Lindley.....	Winifrede	3 - 6..	furnace...	35	627
Wm. J. Beury	M. F. Hensley	Poca. No.3	6 - 6..	fan..... }		628
Wm. J. Beury	M. F. Hensley	Poca. No.3	6 - 6..	fan..... }	150	629
Wm. J. Beury	H. W. Pippin	Poca. No.3	6 - 0..	natural. }		630
P. P. Flanagan.....	John Yost.....	Poca. No.3	6 - 0..	fan.....	115	631
W. O. Easley.....	Wm. Marshall	Poca. No.3	5 - 3..	fan.....	75	632
A. D. Rice..	H. A. Taylor	Poca. No.3	5 - 0..	fan.....	96	633
P. P. Flanagan	J. O. Campbell	Poca. No.3	5 - 8..	fan.....	90	634
Jairus Collins.....	C. W. Atkinson.....	Poca. No.3	6 - 0..	fan.....	100	635
H. W. Rawson.....	O. R. Wise.....	Poca. No.3	5 - 0..	2 fans.....	163	636
T. J. O'Neil.....	J. C. Lovern.....	Poca. No.3	4 - 9..	fan	230	637
T. J. O'Neil.....	T. D. Mathews.....	Poca. No.3	4 - 9..	fan		638
L. E. Tierney	John J. Daly	Poca. No.3	6 . 5.	2 fans.....	110	639
James Ellwood Jones.	R. S. Whitehead	Poca. No.3	7 - 6..	fan..... }	500	640
James Ellwood Jones.	R. S. Whitehead	Poca. No.3	7 - 6..	fan		641
James Ellwood Jones.	R. S. Whitehead.....	Poca. No.3	7 - 0..	fan.....	280	642
James Ellwood Jones.	R. S. Whitehead.....	Poca. No.3	8 - 0..	fan.....	290	643
James Ellwood Jones.	R. S. Whitehead.....	Poca. No.3	7 - 0..	fan.....	275	644
James Ellwood Jones.	Ellis Sheets....	Poca. No.3	5 - 0..	fan.....	165	645

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District	Name of Mine.	Kind of Open- ing.	Name of Company.	Postoffice Address.
646	Seventh....	<i>McDowell Co. Con.</i> <i>b</i> Rolfe.....	drift	Pocahontas Consolidated Collieries Co.....	Pocahontas, Va
647	"	West.	drift	Pocahontas Consolidated Collieries Co.....	Pocahontas, Va
648	"	Elkhorn.	drift	Elkhorn Coal & Coke Co.	Maybeury.....
649	"	Zenith No. 1.....	drift	Zenith Coal & Coke Co...	Orumpler
650	"	Zenith No. 2.....	drift	Zenith Coal & Coke Co...	Orumpler
651	"	Tidewater.	drift	The Tidewater Coal & Coke Co.....	Vivian
652	"	Bottom Creek.....	drift	Bottom Creek Coal & Coke Co.....	Vivian
653	"	Peerless.....	drift	Peerless Coal & Coke Co.	Vivian
654	"	Empire	drift	The Empire Coal & Coke Co.....	Landgraff.....
655	"	Shawnee.....	drift	Shawnee Coal & Coke Co.	Eckman.....
656	"	Eureka.....	drift	Eureka Coal & Coke Co.	Eckman.....
657	"	Pulaski.....	2drifts	Pulaski Iron Co.....	Eckman.....
658	"	Keystone No. 1.....	drift	Keystone Coal & Coke Co.	Keystone.....
659	"	Keystone No. 2.....	drift	Keystone Coal & Coke Co.	Keystone.....
660	"	Lynchburg	drift	Lynchburg Coal & Coke Co.....	Kyle.....
661	"	Powhatan.....	drift	Powhatan Coal & Coke Co.	Powhatan ..
662	"	No. 1.....	drift	Upland Coal & Coke Co.	Elkhorn.....
663	"	No. 2	drift	Upland Coal & Coke Co.	Elkhorn.....
664	"	No. 1	drift	Houston Coal & Coke Co.	Elkhorn.....
665	"	No. 2.....	drift	Houston Coal & Coke Co.	Elkhorn.....
666	"	No. 1.....	drift	Crozer Coal & Coke Co.	Elkhorn.....
667	"	No. 2.....	drift	Crozer Coal & Coke Co.	Elkhorn.....
668	"	Turkey Gap	drift	Turkey Gap Coal & Coke Co.....	Ennis.....
669	"	Cirrus	slope	Cirrus Coal & Coke Co.	Bigfour
670	"	Big Sandy	drift	Big Sandy Coal & Coke Co.	Big Sandy
671	"	Marytown	drift	Big Sandy Coal & Coke Co.	Marytown
672	"	Maher No. 1.....	drift	Maher Coal & Coke Co.	Marytown
673	"	Maher No. 2.....	drift	Maher Coal & Coke Co.	Marytown
674	"	Twin Branch.....	drift	Twin Branch Mining Co.	Twin Branch ..
675	"	J. B. B. No. 1.....	drift	Jewett, Bigelow & Brooks Collieries Co.....	Marytown
676	"	J. B. B. No. 2.....	drift	Jewett, Bigelow & Brooks Collieries Co.....	Marytown
677	"	J. B. B. No. 3.....	drift	Jewett, Bigelow & Brooks Collieries Co.....	Marytown
678	"	J. B. B. No. 4	drift	Jewett, Bigelow & Brooks Collieries Co.....	Marytown
679	"	J. B. B. No. 5.....	drift	Jewett, Bigelow & Brooks Collieries Co.....	Marytown
680	"	Cambridge	drift	Vaughan Coal & Coke Co.	Roderfield
681	"	No. 1.....	drift	Superior-Pocahontas Coal Co.....	Hallsville
682	"	No. 2.....	drift	Superior-Pocahontas Coal Co.....	Hallsville
683	"	No. 3.....	drift	Superior-Pocahontas Coal Co.....	Hallsville
684	"	<i>b</i> No. 4	drift	Superior-Pocahontas Coal Co.....	Hallsville
685	"	Pando	drift	Pando Coal Co.....	Pando
686	"	Antler.....	3drifts	Antler Coal & Coke Co.	Antier
687	"	No. 1	shaft	United States Coal & Coke Co.....	Gary.....
688	"	No. 2	drift	United States Coal & Coke Co.....	Gary.....

b Abandoned.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYEES.

Name of Superintendent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation	Total inside employees	No.
		Poca. No.3				646
Wm. Leckle	W. O. Warburton	Poca. No.3	9 - 0	fan	28	647
R. S. Ord	L. B. Holliday	Poca. No.3	7 - 4	fan	186	648
S. S. Coffman	John M. Watt	Poca. No.3	4 - 6	fan	75	649
S. S. Coffman	John M. Watt	Poca. No.3	4 - 6	fan		650
J. M. Malsby	J. Campbell	Poca. No.3	6 - 6	3 fans	95	651
S. W. Patterson	Arthur Sturm	Poca. No.3	6 - 0	fan	146	652
R. Y. Luther	Thomas Wildon	Poca. No.3	6 - 0	fan	143	653
Wm. D. Ord	T. R. Barrett	Poca. No.3	5 - 10	fan	200	654
P. P. Flanagan	Muncy Sexton	Poca. No.3	6 - 10	fan	105	655
L. E. Tierney	C. C. Hughes	Poca. No.3	7 - 0	fan	140	656
Percival Johnson	J. M. Shank	Poca. No.3	6 - 2	2 fans	266	657
J. K. F. Steele	G. B. Smith	Poca. No.3	6 - 6	fan	145	658
J. K. F. Steele	G. B. Smith	Poca. No.3	6 - 6	fan		659
L. E. Tierney	T. Fitzsimmons	Poca. No.3	7 - 0	fan	150	660
L. E. Tierney	Wm. Pearman	Poca. No.3	8 - 0	fan	106	661
John J. Lincoln	J. A. Grantham	Poca. No.3	7 - 8	fan	118	662
John J. Lincoln	J. A. Grantham	Poca. No.3	7 - 8	fan		663
Benj. Lewis	Chris Kershaw	Poca. No.3	7 - 9	fan	240	664
Benj. Lewis	George Guy	Poca. No.3	7 - 9	fan		665
J. R. Bailey	J. F. Terry	Poca. No.3	8 - 0	fan	106	666
J. R. Bailey	R. B. Smith	Poca. No.3	8 - 0	fan		667
E. J. McQuail	J. P. Johnson	Poca. No.3	8 - 0	fan	315	668
James F. Brophy	E. J. Flanagan	Poca. No.3	5 - 0	2 fans	35	669
D. M. Woody	John Short	Welch	4 - 0	2 fans	110	670
D. M. Woody	O. P. Woody	Welch	4 - 0	fan	87	671
D. M. Woody	M. J. Brogan	Welch	3 - 6	fan	36	672
D. M. Woody	Charles Walton	Welch	3 - 6	fan	16	673
D. M. Woody	Albert Lilly	Welch	4 - 0	fan	81	674
D. M. Woody	J. Hall	Welch	3 - 6	fan	39	675
D. M. Woody	M. J. Brogan	Welch	3 - 6	fan	80	676
D. M. Woody	Charles Perkins	Welch	3 - 6	fan	32	677
D. M. Woody	Charles Walton	Welch	3 - 6	fan	20	678
D. M. Woody	Charles Walton	Welch	3 - 6	fan	20	679
Matthew Hall	Walter Hall	Welch	4 - 0	furnace	30	680
P. J. Riley	F. M. Cook	Welch	4 - 0	furnace	112	681
P. J. Riley	Lane Hubbard	Welch	3 - 6	furnace	25	682
P. J. Riley	Alf Thompson	Welch	3 - 4	furnace	25	683
P. J. Riley	John Moore	Welch	4 - 0	furnace		684
T. M. Daugherty	F. D. Knight	Welch	3 - 6	furnace	25	685
J. A. Henchey	H. Shepherd	Welch	3 - 6	furnace	37	686
M. McParland	J. L. Mullin & V. Taylor	{ Poca. No.3 Poca. No.4	{ 5 - 9 6 - 0	{ fan fan	135	687
M. Connelly	Thos. Longhran	Poca. No.4	6 - 0	fan	132	688

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District.	Name of Mine.	Kind of Opening.	Name of Company.	Postoffice Address.
689	Seventh....	<i>McDowell Co. Con.</i> No. 3.....	drift	United States Coal & Coke Co.....	Gary.....
690	"	No. 4.....	drift	United States Coal & Coke Co.....	Gary.....
691	"	No. 5.....	drift	United States Coal & Coke Co.....	Gary.....
692	"	No. 6.....	drift	United States Coal & Coke Co.....	Gary.....
693	"	No. 7.....	drift	United States Coal & Coke Co.....	Gary.....
694	"	No. 8.....	2drifts	United States Coal & Coke Co.....	Gary.....
695	"	cNo. 9.....	drift	United States Coal & Coke Co.....	Gary.....
696	"	cNo. 10.....	drift	United States Coal & Coke Co.....	Gary.....
697	"	cNo. 11.....	2drifts	United States Coal & Coke Co.....	Gary.....
698	"	cNo. 12.....	drift	United States Coal & Coke Co.....	Gary.....
699	"	Mohawk.....	drift	Mohawk Coal & Coke Co.....	Mohawk.....
700	"	Welch.....	drift	Welch Coal & Coke Co.....	Welch.....
701	"	Hemphill.....	drift	Hemphill Collieries Co.....	Welch.....
702	"	Slick Rock.....	drift	Slick Rock Coal Co.....	Welch.....
703	"	Imo.....	drift	Oregon Coal Co.....	Hemphill.....
704	"	McClaren.....	drift	Oregon Coal Co.....	Hemphill.....
705	"	No. 1.....	drift	Page Coal & Coke Co.....	Pageton.....
706	"	No. 2.....	drift	Page Coal & Coke Co.....	Pageton.....
707	"	cNo. 3.....	drift	Page Coal & Coke Co.....	Pageton.....
708	"	No. 4.....	drift	Black Wolf Coal & Coke Co.....	Pageton.....
709	"	No. 11.....	shaft	The Middle States Coal & Coke Co.....	Olmsted.....
710	"	King.....	slope	The King Coal Co.....	Vivian.....
711	"	No. 1.....	drift	Virginia-Pocahontas Coal Co.....	Coalwood.....
712	"	No. 2.....	2drifts	Virginia-Pocahontas Coal Co.....	Coalwood.....
713	"	No. 3.....	drift	Virginia-Pocahontas Coal Co.....	Coalwood.....
714	"	No. 4.....	drift	Virginia-Pocahontas Coal Co.....	Coalwood.....
715	"	No. 1.....	drift	New River & Pocahontas Consolidated Coal Co.....	Berwind.....
716	"	No. 1½.....	drift	New River & Pocahontas Consolidated Coal Co.....	Berwind.....
717	"	No. 2.....	drift	New River & Pocahontas Consolidated Coal Co.....	Berwind.....
718	"	No. 3.....	drift	New River & Pocahontas Consolidated Coal Co.....	Berwind.....
719	"	North Side.....	shaft	Dixon - Pocahontas Fuel Co.....	Olmsted.....
720	"	Jed.....	shaft	Jed Coal & Coke Co.....	Jed.....
721	"	Yukon.....	drift	Yukon Coal Co.....	Yukon.....
722	"	County Seat.....	drift	J. H. Mitchell.....	Welch.....
723	Seventh....	<i>Mercer County.</i> Mill Creek.....	2drifts	Mill Creek Coal & Coke Co.....	Coopers.....
724	"	Coaldale.....	drift	Coaldale Coal & Coke Co.....	
725	"	Tug River.....	drift	Coaldale Coal & Coke Co.....	

cJust being developed.

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS WORKED AND THICKNESS, AND TOTAL NUMBER OF INSIDE EMPLOYES.

Name of Superintendent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thickness. Ft. In.	Kind of Ventilation.	Total Inside Employees.	No.
F. E. King	M. P. Brady	Poca. No. 4	4 - 10	fan	114	689
James Horn.	John Sizemore	Poca. No. 3	6 - 0	fan	139	690
James Horn.	J. Reedy	Poca. No. 3	7 - 0	fan	64	691
J. V. Rhodes	Mike Zurick	Poca. No. 4	6 - 6	fan	153	692
A. J. Stewart	Geo. Castle.	Poca. No. 4	7 - 0	2 fans	148	693
M. H. Liston	R. M. Pittman & K. O. Brent	Poca. No. 4	6 - 0	2 fans	83	694
M. H. Liston	S. P. Dellard	Poca. No. 4	10 - 0	.....	.....	695
S. P. Reynolds	S. P. Reynolds	Poca. No. 3	.....	.....	.....	696
O. O. Gelger.	O. O. Gelger	Poca. No. 3 & 4	.....	fan .....	.....	997
H. T. Graham	H. T. Graham	Poca. No. 3	.....	.....	.....	698
W. T. Heatherman ..	D. L. Joseph	Welch	5 - 0	fan	74	699
F. J. Baxter	R. T. Hopkins	Welch	3 - 6	furnace ..	33	700
F. J. Baxter	Wm. Spicer	Welch	3 - 6	furnace ..	33	701
W. J. McClaren	J. E. Jones	Welch	3 - 0	furnace ..	8	702
W. B. Honaker	S. S. Harris	Welch	4 - 6	fan	70	703
W. B. Honaker	Sam Fry	Welch	3 - 8	furnace ..	14	704
Samuel Evans	J. A. Gallimore	Poca. No. 3	8 - 0	fan	129	705
Samuel Evans	J. A. Gallimore	Poca. No. 3	8 - 0	fan		706
Samuel Evans	J. A. Gallimore	Poca. No. 3	.....	.....		607
E. O. Berkeley	E. O. Berkeley	Poca. No. 3	6 - 0	natural ..	9	708
Harry Cameron	James H. Cooper	Poca. No. 4	5 - 6	fan	108	709
J. W. Malsby	W. H. Sanford	Poca. No. 3	6 - 6	2 fans	40	710
John Stewart	J. L. Vance	Poca. No. 3	5 - 0	fan	52	711
John Stewart	G. O. Ratliff	Poca. No. 3	5 - 0	furnace ..	40	712
John Stewart	T. B. Fisher	Poca. No. 3	5 - 0	furnace ..	19	713
John Stewart	H. H. Fisher	Poca. No. 3	5 - 6	furnace ..	35	714
Geo. P. Daniels	H. J. Reid	Poca. No. 3	4 - 6	fan	67	715
Geo. P. Daniels	James Johnson	Poca. No. 3	4 - 6	furnace ..	73	716
Geo. P. Daniels	Lee Carter	Poca. No. 3	4 - 6	fan	43	717
Geo. P. Daniels	C. Rhodes	Poca. No. 3	4 - 6	furnace ..	13	718
J. P. Davis	M. Lilly	Poca. No. 4	5 - 4	fan	24	719
Geo. W. Brymer	P. McLinden	Poca. No. 3	5 - 1	fan	16	720
H. M. Meyers	B. O. Cordle	War Creek	5 - 10	furnace ..	26	721
J. H. Mitchell	J. H. Mitchell .....	.....	2 - 9	natural ..	3	722
O. E. F. Burnley	M. F. Dixon	Poca. No. 3	8 - 0	2 fans	156	723
O. E. F. Burnley	G. L. Smith	Poca. No. 3	8 - 4	fan	198	724
O. E. F. Burnley	G. L. Smith	Poca. No. 3	8 - 4	natural ..		725

*Worked in two shifts 20 men each.

**DIRECTORY OF THE MINES IN THE STATE OF WEST VIRGINIA
FOR THE YEAR ENDING JUNE 30TH, 1907.**

No.	District	Name of Mine.	Kind of Open- ing.	Name of Company.	Postoffice Address.
		<i>Mercer County. Con.</i>			
726	Seventh...	Buckeye	drift	Buckeye Coal & Coke Co.	Freeman.....
727	"	Caswell Elkhorn ...	drift	Pocahontas Consolidated Collieries Co.....	Pocahontas, Va
728	"	Caswell Hemlock...	drift	Pocahontas Consolidated Collieries Co.	Pocahontas, Va
729	"	Booth-Bowen	drift	Booth-Bowen Coal & Coke Co.	Freeman.....
730	"	Louisville 1, 2 & 3 ...	3drifts	Louisville Coal & Coke Co	Goodwill.....
731	"	Goodwill & Baby....	2drifts	Louisville Coal & Coke Co	Goodwill.....
732	"	Pinnacle North.....	drift	Pinnacle Coal & Coke Co.	McComas
733	"	Pinnacle South.....	drift	Pinnacle Coal & Coke Co.	McComas
734	"	No. 1.....	drift	Orane Creek Coal & Coke Co.....	McComas
735	"	No. 2.....	drift	Orane Creek Coal & Coke Co.	McComas
736	"	Crystal.....	drift	Crystal Coal & Coke Co ..	Godfrey
737	"	Thomas	drift	Thomas Coal Co.....	McComas
738	"	Weyanoke.....	drift	Weyanoke Coal & Coke Co	Glatto
739	"	Spring	drift	Spring Coal Mining Co...	Springton
740	"	Piedmont No. 1.....	drift	Piedmont Colliery	Widemouth ...
741	"	Wenonah No. 1.....	drift	Wenonah Coal & Coke Co	Dott
742	"	Wenonah No. 2.....	drift	Wenonah Coal & Coke Co	Dott
743	"	Hiawatha.....	drift	Hiawatha Coal & Coke Co	Hiawatha.....
744	"	Smokeless.....	drift	The Smokeless Coal & Coke Co	Hiawatha.....
745	"	Pawama	drift	Pawama Coal & Coke Co.	Mataoka
746	"	Cephus	drift	Cephus Coal Co.....	Godfrey

NAME OF SUPERINTENDENT, NAME OF MINE BOSS, SEAMS
WORKED AND THICKNESS, AND TOTAL NUMBER
OF INSIDE EMPLOYEES.

Name of Superinten- dent.	Name of Mine Boss.	Name of Coal Bed Worked.	Thick- ness. Ft. In.	Kind of Ventilation.	Total inside Employees.	No
F. R. Hewitt.	J. H. Williams.....	Poca. No. 3	5 - 8..	fan.....	110	726
James Ellwood Jones	Lee Odham.....	Poca. No. 3	7 - 6..	fan... .. }	265	727
James Ellwood Jones	Lee Odham.....	Poca. No. 3	7 - 6..	fan..... }		728
J. P. Bowen.....	B. F. Bray.....	Poca. No. 3	7 - 6..	fan.....	102	729
Jairus Collins.....	J. W. Montgomery...	Poca. No. 3	4 - 5..	fan..... }	155	730
Jairus Collins.....	J. W. Montgomery...	Poca. No. 3	4 - 5..	fan..... }		731
T. O. Deanmer.....	J. L. Dewese.....	Poca. No. 3	4 - 8..	fan..... }	122	732
T. O. Deanmer.....	J. L. Dewese.....	Poca. No. 3	4 - 8..	fan..... }		733
T. O. Deanmer.....	J. H. Hughes.....	Poca. No. 3	4 - 8..	fan..... }	135	734
T. O. Deanmer.....	J. H. Hughes.....	Poca. No. 3	4 - 8..			735
R. R. Campbell.....	O. H. Thompson... ..	Poca. No. 3	4 - 8..	fan.....	128	736
W. J. Pritchard.....	James McGinnis.....	Poca. No. 3	4 - 6..	fan.....	75	737
Robt. D. Patterson...	John Woodyard.....	Poca. No. 3	4 - 9..	fan... ..	77	738
B. H. Montgomery...	J. H. Bragg.....	Poca. No. 3	4 - 4..	fan.....	73	739
Jairus Collins.....	H. M. Morris.....	Poca. No. 3	4 - 0..	fan.....	50	740
E. L. Harris.....	Ed Lucas.....	Poca. No. 3	4 - 3..	fan... .. }	39	741
E. L. Harris.....	Ed Lucas.....	Poca. No. 3	4 - 3..	furnace. }		742
W. J. Elliott.....	O. H. Reid.....	Poca. No. 3	5 - 0..	fan.....	40	743
O. N. Mooman.....	J. H. Shrewsbury.....	Poca. No. 3	4 - 6..	fan... ..	28	744
J. O. Stras.....	J. W. Young.....	Poca. No. 3	4 - 5..	fan.....	33	745
P. J. Vigliani.....	J. A. Harvey.....	Poca. No. 3	4 - 0..	furnace...	15	746

ACCIDENTS.

COMPARATIVE STATEMENT OF THE NUMBER OF MEN EMPLOYED, MEN KILLED, AND THE PRODUCTION OF COAL FROM 1883 TO 1907. (COMMERCIAL MINES.)

FOR YEAR ENDING	No. of inside em- ployes.	No. of outside employees.	Total employees (excluding coke men)	Killed by falls of coal, slate and roof.	Killed by cars.	Killed by explo- sions.	Killed by other causes.	Total Killed.	Total tons of coal mined (tons of 2,240 lbs.)	Tons mined for each inside em- ploye.	Tons mined for each person killed inside.	No. of persons killed inside for every 1,000 in- side employes.	No. inside em- ployes for every person killed inside.
December 31, 1883.	5,343	1,051	6,394	17	8	...	...	20	2,805,565	525	147,661	3.55	281
December 31, 1884.	4,627	1,724	6,351	no re- port	4	...	...	...	2,901,642	627	...	...	...
December 31, 1885.	5,486	1,806	7,292	16	4	3	...	23	3,008,091	548	150,404	3.64	274
December 31, 1886.	6,081	1,181	7,262	4	2	30	...	48	3,213,093	528	73,024	7.23	138
From January 1, 1887 to June 30, 1888.	7,269	1,187	8,456	27	2	...	3	31	5,809,223	799	187,894	4.26	234
June 30, 1889.	7,764	1,242	9,006	9	...	...	4	13	4,566,859	588	415,169	1.41	706
June 30, 1890.	9,173	2,324	11,497	21	2	2	2	27	5,643,946	615	235,168	2.61	382
June 30, 1891.	10,434	2,589	13,023	22	4	5	2	26	7,281,480	690	251,084	2.78	359
June 30, 1892.	11,776	2,118	13,894	27	6	2	1	36	7,777,570	680	222,216	2.90	336
June 30, 1893.	14,204	1,086	15,290	54	8	5	5	72	9,758,054	686	145,642	4.71	212
June 30, 1894.	15,682	1,902	17,584	49	6	...	4	59	9,428,065	601	171,419	3.50	285
June 30, 1895.	16,692	1,896	18,588	51	12	12	8	83	9,874,098	591	124,988	4.78	211
June 30, 1896.	20,257	1,814	22,071	48	8	1	8	65	11,937,468	599	206,818	2.86	349
June 30, 1897.	17,069	2,047	19,116	47	7	2	6	62	11,571,900	678	192,865	3.51	284
June 30, 1898.	18,592	2,148	20,740	67	12	2	6	87	14,154,865	761	186,248	4.08	244
June 30, 1899.	19,634	2,461	22,095	64	13	4	8	89	16,100,150	820	208,799	4.02	246
June 30, 1900.	21,820	2,815	24,635	61	15	57	8	141	18,786,911	858	140,879	6.09	164
June 30, 1901.	25,693	3,467	29,160	76	20	29	5	130	20,115,991	782	166,247	4.70	212
June 30, 1902.	27,720	4,023	31,743	79	23	7	11	120	23,179,083	836	210,718	3.96	252
June 30, 1903.	30,450	5,151	35,601	96	19	32	12	159	22,738,696	743	154,651	4.93	207
June 30, 1904.	26,816	5,665	41,981	96	23	12	10	140	26,814,715	788	218,006	3.38	296
June 30, 1905.	39,903	6,875	46,778	105	28	39	22	194	31,323,029	785	177,972	4.41	227
June 30, 1906.	40,865	6,531	47,396	99	26	114	29	268	37,223,474	910	148,894	6.11	163
June 30, 1907.	44,147	7,809	51,456	139	38	159	20	356	39,860,311	908	123,026	7.34	133
Totals	456,997	69,412	526,409	1,272	281	526	179	2,258	345,819,232	756	166,982	4.53	220

*Accidents for 2nd District only. No report for 1st District.

**FATAL ACCIDENTS, BY CAUSES, IN WEST VIRGINIA, 1883 TO 1907,
INCLUSIVE.**

‡No Report for 1st mining district.

**FATAL ACCIDENTS, INSIDE AND OUTSIDE, FROM 1883 TO 1892,
INCLUSIVE.**

Inside.

Outside.

+Accidents reported for 2nd District only

FATAL ACCIDENTS, INSIDE AND OUTSIDE, 1893 TO 1902, INCLUSIVE.*Inside.**Outside.***FATAL ACCIDENTS, INSIDE AND OUTSIDE, 1903 TO 1907, INCLUSIVE.***Inside.*

	1907	1906
Falls of coal.	25	1
Mine cars .	12	
Explosions c	3	
Explosions o		
Explosions o	9	
Mules.....		
Mine machin		
Motors.		
Locomotives	1	
Miscellaneous	3	
Total..	28	1

Outside.

TABLE SHOWING THE NUMBER OF PERSONS KILLED INSIDE, PER
1,000 INSIDE EMPLOYEES IN COAL MINES IN THE STATES
OF PENNSYLVANIA, ILLINOIS, OHIO AND WEST
VIRGINIA FOR THE
Year 1906.

STATES.	Total No. of inside Employee	Total No. of inside Fatal Acci- dents	No. of Lives lost per 1,000 inside Employees.
Pennsylvania Anthracite	114,998	456	3.97
Pennsylvania Bituminous.	141,802	455	3.21
Illinois	56,024	147	2.63
Ohio	41,908	127	3.06
West Virginia.	40,865	250	6.11

Year 1907.

WEST VIRGINIA	44,147	324	7.34
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LIVES LOST INSIDE, NO. OF INSIDE EMPLOYEES AND TONNAGE
MINED FOR EACH LIFE LOST INSIDE—1907.

COUNTY.	No. of Lives Lost Inside the Mine	Lives Lost Inside of Mine, per 1,000 Employees	Tons of Coal Produced.			
Brooke	1	1.73	526,997	915	526,997	576
Hancock				1,072	78,280	78
Marion	13	4.40	278,443	1,225	8,419,764	2,954
Monongalia				865	292,506	306
Marshall	5	9.04	112,065	1,018	560,427	553
Ohio	2	0.96	45,450	475	196,350	287
Barbour				928	776,245	841
Gilmer				68	812	6
Harrison	7	2.45	477,619	1,178	3,848,319	3,850
Lewis				825	5,528	17
Taylor	1	2.40	418,133	1,000	418,133	416
Upshur	12	155.84	3,292	518	80,502	77
Grant				1,118	271,542	244
Mineral				923	807,172	658
Preston	3	2.31	359,897	839	1,079,692	1,296
Randolph	2	4.77	304,690	1,454	609,380	419
Tucker	26	26.15	38,662	1,011	1,005,219	904
Braxton				845	55,774	66
Clay				574	60,252	106
Fayette	126	13.48	57,748	779	7,277,297	9,346
Kanawha	20	8.22	231,306	743	4,626,101	6,310
Mason	1	4.44	98,211	414	98,211	235
Nicholas	1	6.32	57,412	489	57,412	156
Putnam	1	1.23	401,418	495	401,418	811
Greenbrier				1,278	31,978	35
Raleigh	7	4.67	157,809	738	1,104,676	1,497
Lincoln				549	17,589	32
Logan	5	5.28	148,121	770	740,607	947
Mingo	9	2.91	207,555	812	1,867,100	2,290
Wayne				720	25,217	35
McDowell	71	8.91	114,418	1,019	8,123,699	7,967
Mercer	11	6.12	182,683	1,118	2,009,522	1,796
For the State	324	7.34	123,028	908	39,860,311	44,147

TABLE SHOWING THE NUMBER KILLED INSIDE OF THE MINES BY FALLS PER EACH 1,000 PERSONS EMPLOYED INSIDE OF THE MINES IN THE STATES OF OHIO, ILLINOIS, PENNSYLVANIA AND WEST VIRGINIA, FROM 1897 TO 1906, INCLUSIVE.

YEARS.	Ratio Killed by Falls of Coal, Slate and Roof per 1000 Inside Employees.				
	Ohio.	Illinois.	Pennsylvania.		West Virginia.
			Bitumi- nous Mines.	Anthra- cite Mines.	
1897.....	1.07	1.52	1.50	2.13	2.75
1898.....	1.47	1.86	1.92	2.04	3.60
1899.....	1.52	1.54	2.18	2.45	3.26
1900.....	1.52	1.44	1.79	1.86	2.79
1901.....	1.88	1.43	1.95	2.29	2.95
1902.....	1.59	1.42	2.02	1.18	2.90
1903.....	2.13	1.65	1.92	2.05	3.15
1904.....	2.26	1.82	1.83	2.16	2.61
1905.....	1.98	1.49	2.19	2.53	2.62
1906.....	1.91	1.49	2.15	1.86	2.42
Averages.....	1.68	1.46	1.94	2.05	2.90
1907.....					3.15

DETAIL OF LIVES LOST PER TONS OF PRODUCTION.

No. of mines where fatal accidents occurred.....	144
No. of lives lost	356
No. of mines where fatal accidents occurred inside.....	131
No. of lives lost inside	324
No. of men employed inside mines where fatal accidents occurred inside	13,843
No. of tons of coal produced where fatal accidents occurred in- side	13,836,562
Tons of coal produced, per each life lost, in mines where fatal accidents occurred inside	42,705
Tons of coal produced per each life lost in State, all mines and tonnage included	112,473

TABLE SHOWING THE NATIONALITIES OF PERSONS KILLED, AND CAUSES OF FATAL ACCIDENTS AT THE MINES FOR THE YEARS 1906 AND 1907.

NATIONALITIES.	1906												1907											
	Causes.												Causes.											
	Inside.						Outside.						Inside.						Outside.					
	Falls of coal, slate and roof	Mine cars	Explosions of gas	Explosions of powder, dust, dynamite and shots	Explosions of gas and dust	Mules	Miscellaneous	Total number killed inside	Cars	Machinery	Miscellaneous	Total number killed outside	Miscellaneous	Total number killed inside	Cars	Machinery	Miscellaneous	Total number killed outside	Total number killed inside and outside.					
American	33	7	1	25	11	1	14	81	4	1	3	8	7	119	6	3	4	10	129					
Negro.	16	5	1	25	11	1	2	56	3	1	1	5	6	62	3	1	3	9	71					
Italian	10	1	1	13	1	1	2	26	1	1	1	3	4	45	1	1	1	11	56					
Hungarian	12	1	1	2	1	1	1	19	1	1	1	1	4	29	1	1	1	1	30					
Polish	7	1	1	2	1	1	1	14	1	1	1	1	10	10	1	1	1	1	10					
Lithuanian	4	1	1	13	1	1	1	19	1	1	1	1	16	8	1	1	1	1	16					
English	3	1	1	1	1	1	1	4	1	1	1	1	12	1	1	1	1	1	12					
Slavish	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Danish	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Welsh	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Austrian	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Australian	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Russian	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
German	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Scotch	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Livvitch	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Swede	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Greek	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Syrian nian	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Rouma	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Irish	7	1	1	1	1	1	1	9	1	1	1	1	1	1	1	1	1	1	1					
Unknown	1	1	1	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1					
Totals	90	16	4	86	23	1	121	250	10	1	7	18	203	129	20	20	17	101	18,324	14	13	82	356	

NATIONALITIES OF PERSONS KILLED AND INJURED—1907.

NATIONALITIES.	Fatal	Non-fatal	Totals
American.....	129	208	337
Negro.....	71	62	133
Italian... ..	56	80	136
Hungarian.....	30	17	47
Polish.....	10	18	28
Lithuanian.....	8	6	14
English.....	15	2	17
Slavish.....	12	18	30
Welsh.....	1	2	3
Austrian.....	6	14	20
Russian.....	.....	5	5
German	11	9	20
Swedish.....	.....	2	2
Greek.....	.....	1	1
Irish.....	2	5	7
Syrian.....	3	.....	3
Japanese.....	.....	1	1
Roumanian.....	1	.....	1
Prussian.....	.....	1	1
Unknown.....	1	2	3
Totals.....	356	448	804

AGES OF PERSONS KILLED AND INJURED—1907.

AGES.	Fatal	Non-fatal	Totals
14 years or younger....	8	7	15
15	4	11	15
16	4	9	13
17	8	14	22
18	6	11	17
19	11	18	29
20	7	24	31
20 .. to 25 years, including 25.....	56	99	155
25 .. 30 30.....	64	90	154
30 .. 35 35.....	34	45	79
35 .. 40 40.....	22	47	69
40 .. 45 45.....	18	24	42
45 .. 50 50.....	9	17	26
50 .. 55 55.....	4	9	13
55 .. 60 60.....	2	7	9
60 .. 65 65.....	1	3	4
Unknown.....	103	13	116
Totals.....	356	448	804

TERMS OF EXPERIENCE OF PERSONS KILLED AND INJURED AT THE WEST VIRGINIA COAL MINES, 1901 TO 1907, IN CLUSIVE.

LENGTH OF EXPERIENCE.	1901			1902			1903			1904			1905			1906			1907			Sum Totals
	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	Fatal.	Non-Fatal.	Totals.	
3 months or less.....	18	30	48	19	25	44	26	44	70	15	28	43	23	34	60	24	27	51	20	48	68	384
Over 3 mo. and including 6 months	6	13	19	9	8	17	5	21	26	8	15	23	8	18	26	9	20	29	16	22	38	178
6 12	13	20	33	13	30	43	21	31	52	15	25	40	11	26	37	20	36	56	23	63	86	347
2 years.....	8	16	24	14	26	40	15	15	30	14	33	47	28	31	59	35	24	59	20	55	75	334
3 ..	4	6	10	6	12	18	4	14	18	8	14	22	25	19	44	26	32	58	17	39	56	226
4 ..	4	7	11	8	10	18	8	9	16	6	9	15	12	10	22	16	19	35	14	34	48	165
5 ..	2	9	11	6	10	16	12	13	27	9	13	22	12	14	26	11	17	31	14	20	34	167
6 ..	3	10	13	8	6	14	3	15	6	3	6	9	9	6	18	11	6	17	12	19	31	102
7 ..	2	2	4	2	6	8	2	3	7	3	3	6	4	2	6	3	4	7	3	9	12	49
8 ..	4	5	9	1	4	7	6	4	10	1	5	6	2	7	9	11	8	19	1	8	9	69
9 ..		3	3	1	4	5	2	1	3	1	2	3	2		2	1	2	3	1	1	2	21
10 ..	6	1	7	7	20	27	5	9	14	2	4	6	14	9	23	10	13	23	14	11	25	125
Over 10 yrs. and including 15 yrs.	7	8	15	5	6	11	10	5	15	5	6	11	10	8	18	11	8	19	7	17	24	112
15 20	3	8	11	2	5	7	5	4	9	3	8	11	6	8	14	7	9	16	10	9	19	91
20 25		1	1		1	2		2	2			2	4	2	11	2	4	6	4	6	10	38
25 30	1	2	3	1	1	2		2	2	2		2	2	1	4		2	2	2	3	5	20
30 35					2	2		2	2			1			3	1	1	1		2	4	8
35 40	1		1		2	3		1	1			1			2	2	1	3	3	1	4	15
40 45					5	5						2					1	1				1
45 50			1						1								1	1				4
Several years.....	6	5	11	2	5	7	10	11	21	2	6	8		11	11	12	10	23		1	1	101
Many years.....		2	2	2	6	8	1	3	4			14	1	2	3	3	2	5	1	15	15	26
Always.....	3	8	6		2	2	1	3	4		2			1	1		2	2		3	4	21
Unknown.....	39	28	67	16	48	64	23	22	45	27	25	52	16	31	47	50	52	102	174	62	236	618
Totals	130	180	310	120	239	359	159	223	382	140	211	351	194	250	444	268	299	567	856	448	804	3,217

TABLE EXHIBITING THE CAUSES OF FATAL AND NON-FATAL ACCIDENTS, AND THE NUMBER AND PERCENTAGE BY EACH CAUSE—1907.

CAUSES.	Fatal.	Non-fatal.	Totals.	Per-centage.
Falls of slate.....	105	105	210	26.12
Falls of coal.....	17	45	62	7.72
Falls of roof.. . . .	17	40	57	7.10
Mine cars	27	134	161	20.02
Explosions of gas.....	29	3	32	3.98
Explosions of powder.....	25	17	42	5.23
Explosion of gas & dust.....	101		101	12.56
Explosion of dynamite.		8	8	.88
Premature explosions.....	1	28	29	3.62
Blown through shots.....	2		2	.25
Blown out shots.....	1	11	12	1.50
Electric motor	4	8	12	1.50
Electrocuted	5		5	.62
Electric wires.....		2	2	.25
Fell down shaft.....	5		5	.62
Animals.....		5	5	.62
Mining Machines.....		13	13	1.62
Railroad cars	6	8	14	1.74
Mine locomotive.....	1		1	.12
Mine pump		4	4	.50
Compressed air.....	1		1	.12
Road wagon.....	1	1	2	.25
Fell in chute.....	1		1	.12
Suffocation in coal bin.....	1		1	.12
Heart disease.....	2		2	.25
Hoisting engine drum.....	1		1	.12
Gin pole fell....	1		1	.12
Boring machine in mine.....		1	1	.12
Struck by keg of powder.....		1	1	.12
Material fell down shaft.....		1	1	.12
Caught by descending cage.....	1		1	.12
Internal Bleeding.....	1		1	.12
Fell off tippie.....		2	2	.25
Caught between hay and trestle.....		1	1	.12
Falling down.....		2	2	.25
Fell off drum house roof.....		1	1	.12
Flying coal in mine.....		6	6	.75
Explosion of torch		1	1	.12
Falling timber, (outside).....		1	1	.12
Rope haulage.....		3	3	.38
Door in chute.....		1	1	.12
Totals.....	356	448	804	100.00

TABLE SHOWING NUMBER OF FATAL AND NON-FATAL ACCIDENTS, INSIDE AND OUTSIDE, AND NUMBER OF PERSONS KILLED AND INJURED—1907.
Fatal Accidents.

	No. of Ac-cidents.	No. of Persons Killed.
Inside.	177	324
Outside.....	22	32
Totals.....	199	356

Non-Fatal Accidents.

	No. of Ac-cidents.	No. of Persons Injured.
Inside.....	326	430
Outside.....	18	18
Totals	344	448

ACCIDENTS TABULATED ACCORDING TO THE DAYS OF THE WEEK
ON WHICH THEY OCCURRED—1907.

Fatal Accidents.

	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	Totals.
Inside	1	62	113	42	38	42	36	324
Outside.....	1	11	4	1	5	8	8	32
Totals.	1	73	117	43	33	50	39	356

Non-Fatal Accidents.

	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	Totals.
Inside.....	7	87	64	76	71	70	55	430
Outside.....	1	5	5	3	2	2	1	18
Totals.....	7	92	69	79	73	72	56	448

Summary of Fatal and Non-Fatal Accidents.

	Sunday.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.	Totals.
Inside.....	8	149	177	118	99	112	91	754
Outside.....	1	16	9	4	7	10	4	50
Totals.	8	165	186	122	106	122	95	804

LIST OF ACCIDENTS IN WHICH MORE THAN ONE PERSON WAS
KILLED—1907

COUNTY.	NAME OF MINE	DATE OF ACCIDENT	NO. PERSONS KILLED.	CAUSE.
Upshur.....	Penco	Jan. 26, 1907.....	12	Explosion of pow- der.
Tucker.....	Thomas No. 25....	Feb. 4, 1907.....	26	Explosion of gas.
Fayette.....	Stuart Shaft.....	Jan. 29, 1907.....	85	Explosion of gas and dust.
"	Whipple Shaft	May 1, 1907.....	16	Explosion of gas and dust.
Kanawha	Ruby.	June 25, 1907.....	2	Mine Cars (out- side)
Logan	*Yuma.....	Feb. 16, 1907.....	2	Blown out shot
McDowell.....	Keystone	July 2, 1906....	4	Explosion of gas
"	Dixon-Pocahontas	July 19, 1906.....	4	Fell down shaft
"	Cambridge... ..	Oct. 20, 1906.....	2	Fall of slate
"	Pulaski.....	Dec. 14, 1906.....	6	Explosion of pow- der (outside)
"	Peerless.	Dec. 21, 1906.....	2	Fall of slate
"	Berwind No. 1....	Feb. 2, 1907.....	2	Fall of sand rock
"	Gilliam.....	Apr. 15, 1907.....	5	Explosion of pow- der (outside)
Mercer.....	Mill Creek.	July 6, 1906.....	3	Fall of coal and slate
"	Weyanoke	June 15, 1907.....	2	Fall of rock
			172	

*In this accident two men were non-fatally burned also.

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

No.	NAME OF MINE	Date of		Nationality	Length of Experience	Age	Occupation	Married or Single	Widow	Children	Total No. Dependents	Insurance Amount	How Killed	Inquest.
		Injury	Death											
1	Brooke County. Beech Bottom No 5	7-27 '06	7-27 '06	Hungarian	7 yrs	23	Miner	M	yes	3	43		Fall of coal	no.
2	Marion County. Montana	7-17 '06	7-17 '06	Slavish	15 yrs	19	Miner	S	yes				Electrocuted	no.
3	Monongah No 5	7-28 '06	7-28 '06	Lithuanian	6 yrs	15	Miner	S	yes				Fall of rock	no.
4	Gaston	9-20 '06	9-20 '06	Italian	2 yrs	24	Miner	S	yes	1			Electrocuted	no.
5	Hutchinson	10-19 '06	10-19 '06	Hungarian	2 yrs	23	Miner	M	yes	1			Caught bet. car & rib	no.
6	Federal Shaft	10-19 '06	11-2 '06	American		40	Machinist	M	no	1			Compr'd air inhaled under pressure	no.
7	Federal Shaft	11-2 '06	11-3 '06	American	36 yrs	51	Miner	M	yes	8			Went down to	no.
8	Anderson	11-3 '06	11-3 '06	Polish	1 yr.	34	Miner	M	yes	2			Fall of slate	no.
9	Monongah No 6	11-9 '06	11-9 '06	Slavish	5 yrs	32	Miner	S	yes	2			Caught bet. rib & car	no.
10	King	11-13 '06	11-13 '06	American	12 yrs	27	Mule Driver	M	yes	2			Run over by 2 wheels of a wagon—outside	no.
11	New England	12-24 '06	12-24 '06	American	6 yrs	49	Teamster	M	yes	2			Fall of coal	no.
12	Middleton	4-28 '07	4-28 '07	Polish	23 mo	22	Miner	S	yes	3			Mine cars—inside	no.
13	New England	6-3 '07	6-3 '07	American	9 yrs	29	Brakeman	M	yes	4			Fall of slate	no.
14	Hutchinson	6-1 '07	6-1 '07	Italian	5 mo.	19	Miner	S	yes				Fall of slate	no.
15	Chatham Shaft No. 1	6-14 '07	6-14 '07	American		24	Machine Runner	S	yes				Fall of slate	no.
16	Monongalia County. Elkins No 5	3-23 '07	4-5 '07	Italian		23	Not employed in Mine	S	yes				Run over by R. road carcoal	no.
17	Marshall County. Henderson	10-11 '06	10-11 '06	Polish		54	Miner	M	yes	2			Fall of slate	no.
18	Glendale Shaft	12-17 '06	12-17 '06	Slavish	1 year	19	Miner	S	yes			75.00	Fall of stone	no.
19	Hitchman	1-24 '07	1-26 '07	Slavish		50	Loader	M	no				Mine cars	no.
20	Glendale Shaft	2-1 '07	2-1 '07	Polish		35	Loader	M	yes	3			Fall of stone	no.
21	Benwood	5-13 '07	5-13 '07	American	Many	51	Miner	M	no	2			Fall of stone	no.
22	Ohio County Elm Grove Shaft	4-29 '07	4-29 '07	German		30	Miner	S	yes	3			Electrocuted	no.
23	Richland	5-3 '07	5-3 '07	Polish	1 yr	38	Miner	M	yes			75.00	Fall of slate	no.
24	Harrison County. Perry	10-24 '06	10-24 '06	Italian	3 mo.	28	Miner	S	yes				Caught bet. car & rib	no.

25	Two Lick.	Petro Gabro.	11-2 '06	11-2 '06	Hungar'n	16 yrs.	49	Miner.	M.	no.		Fall of Coal	no.
26	Enterprise.	Mike Svdrba.	1-4 '07	1-4 '07	Slavish.	9 mo.	50	Slateman.	M.	yes		Fall of Slate.	yes
27	Girard No. 2.	Antony Pasqualla.	1-28 '07	1-28 '07	Italian.	Oneyr.	27	Car Trim.	S.			Went through coal chute mashed by coal	no.
28	Gypsy.	Tony Secreto.	2-11 '07	2-11 '07	Italian.	4 yrs.	32	Loader.	M.	yes		Fall of Slate & Coal	no.
29	Riverdale.	Salvatore Pulle.	4-2 '07	4-15 '07	Italian.	8 mos.	38	Miner.	M.	no.		Fall of Slate.	no.
30	Enterprise.	Orle Morris.	5-2 '07	5-2 '07	American	5 yrs.	25	Miner.	M.	yes		Fall of Slate.	yes
31	Solon.	James Marino.	5-5 '07	7-6 '07	Italian.		19	Miner.	S.			Fall of Slate.	no.
32	Taylor County.	John Suprie.	7-8 '06	7-8 '06	Slavish.	5 yrs.	33	Miner.	M.	yes		Fall of Coal	no.
33	Upshar County.	Glen Miles.	1-26 '07	1-26 '07	American			Miner.				Powder Explosion	yes
34	Penco.	Nedz Oaprit.	1-26 '07	1-26 '07	Italian.			Miner.					
35		Joe Oaprit.	1-26 '07	1-26 '07	Italian.			Miner.					
36		Tony Ritchie.	1-26 '07	1-26 '07	Italian.			Miner.					
37		Louis Nespeck.	1-26 '07	1-26 '07	Italian.			Miner.					
38		Joe Aliuni.	1-26 '07	1-26 '07	Italian.			Miner.					
39		Nedz Lester.	1-26 '07	1-26 '07	Italian.			Miner.					
40		Dontmich Pocklek.	1-26 '07	1-26 '07	Italian.			Miner.					
41		Charles Boserinan.	1-26 '07	1-26 '07	American			Miner.					
42		H. H. Fox.	1-26 '07	1-26 '07	American			Miner.					
43		Asbury Bailey.	1-26 '07	1-26 '07	American			Miner.					
44		Bruce Johnson.	1-26 '07	1-26 '07	American			Miner.					
45	Mineral County.	Richard L. Hubbs.	8-23 '06	8-23 '06	American	6 mos.	18	Welgher.	S.			Fell between Rail Road Cars	no.
46	Preston County.	William McCorkle.	9-27 '06	9-27 '06	Polish	10 yrs.	40	Miner.	M.	yes		Fall of Slate.	no.
47	Atlantic.	Pierce R. Collins.	1-23 '07	10-28 '07	American	1 yr.	16	Miner.	S.			Fall of Coal	no.
48	Shrader.	Charles Pacello.	1-31 '07	1-31 '07	Negro.	2 yrs.	17	Driver.	S.		100.00	Mine Cars	no.
49	Irons No. 2.	Joseph Barberia.	4-18 '07	4-18 '07	Italian.		44	Laborer.	M.	yes	5	Suffocated in Coal Bin.	no.
50	Bretz No. 2.												
51	Randolph County.	Santos Cristofola.	10-27 '06	10-27 '06	Italian.	Oneyr.	21	Miner.	S.			Electrocuted	no.
52	Coalton No. 1.	Augusto Ambrosini	5-25 '07	5-25 '07	Italian.	5 wks.	27	Miner.	S.		200.00	Fall of Coal	yes
53	Weaver No. 2.												
54	Tucker County.	Oscar Allen.	2-4 '07	2-4 '07	American	3 mos.	15	Miner.	S.		200.00	Explosion of Gas	yes
55	Thomas No. 25.	Jack Stucine.	2-4 '07	2-4 '07	Austrian.	20 yrs.	39	Miner.	M.	yes	3		
56		Frank, (John) Bezlac	2-4 '07	2-4 '07	Austrian.	6 mos.	30	Miner.	S.		200.00		
57		Frank Shavitch, (Shoshlati)	2-4 '07	2-4 '07	Austrian.	6 mos.	36	Miner.	M.	yes	5		
58		Joe Bezlac (Bizjork).	2-4 '07	2-4 '07	Austrian.	3 1/2 yrs.	40	Miner.	M.	yes	8		
		Paul Keroek, (Holstine).	2-4 '07	2-4 '07	Austrian.	6 mos.	43	Miner.	M.	yes	1		
		Tom Polowicz.	2-4 '07	2-4 '07	Lithuanian	6 mos.	17	Scraper.	S.				

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	Name of Person Killed.	Date of		National-ity.	Length of Experience	Age	Occupation	Married or Single	Widow	Children	Total No Dependents	Insurance Amount.	How Killed	Inquest.
		Injury.	Death.											
Tucker Co.—Con														
59 Thomas No. 25	Joseph Arcari	2-4 '07	2-4 '07	Lith'nian.	5 yrs.	22	Miner	S.	yes	3	4	200.00	Explosion of gas	yes
60		2-4 '07	2-4 '07	Lith'nian	5 yrs.	40	Miner	M.	yes	8	1	200.00	"	"
61		2-4 '07	2-4 '07	Lith'nian	2 yrs	36	Outter	M.	yes	8	4	200.00	"	"
62		2-4 '07	2-4 '07	Lith'nian	"	36	Scraper	M.	yes	8	4	200.00	"	"
63		2-4 '07	2-4 '07	Lith'nian	5 mo	21	Outter	M.	yes	2	1	200.00	"	"
64		2-4 '07	2-4 '07	Italian.	3 yrs	28	Miner	S.	yes	2	3	200.00	"	"
65		2-4 '07	2-4 '07	Italian.	"	17	Miner	M.	yes	8	4	200.00	"	"
66		2-4 '07	2-4 '07	Italian.	3 yrs	48	Miner	M.	yes	8	2	200.00	"	"
67		2-4 '07	2-4 '07	Italian.	"	28	Miner	M.	yes	8	3	200.00	"	"
68		2-4 '07	2-4 '07	Italian.	2 yrs	19	Miner	S.	yes	7	8	200.00	"	"
69		2-4 '07	2-4 '07	Italian.	"	20	Miner	S.	yes	7	8	200.00	"	"
70		2-4 '07	2-4 '07	Italian.	2 yrs	35	Miner	M.	yes	2	1	200.00	"	"
71		2-4 '07	2-4 '07	Italian.	3 yrs	20	Miner	S.	yes	2	3	200.00	"	"
72		2-4 '07	2-4 '07	Italian.	"	17	Miner	S.	yes	8	4	200.00	"	"
73		2-4 '07	2-4 '07	Italian.	"	38	Miner	M.	yes	1	1	200.00	"	"
74		2-4 '07	2-4 '07	Italian.	20 yrs.	55	Supt.	M.	yes	1	1	200.00	"	"
75		2-4 '07	2-4 '07	Welsh	2 yrs	26	Miner	S.	yes	8	4	200.00	Fall of slate	No
76		3-5 '07	3-5 '07	Lith'nian	"	"	"	"	"	"	"	"	"	"
Fayette County.														
78 Echo.		7-9 '06	7-9 '06	Negro.	10 yrs	28	Miner	S.	yes	1	1	200.00	Fall of slate	No
79 Fire Creek.		7-12 '06	7-12 '06	Negro	4 yrs	25	Miner	M.	yes	1	1	200.00	Mine cars (outside).	"
80 Boomer No 2 North		7-13 '06	7-13 '06	Italian	8 mo	20	Miner	S.	yes	1	1	200.00	Fall of slate	"
81 Buffalo		7-31 '06	7-31 '06	Italian	4 yrs	28	Miner	S.	yes	1	1	200.00	Mine cars (outside)	"
82 Elverton		8-6 '06	8-6 '06	Negro	5 yrs	28	Miner	M.	yes	1	1	200.00	Fall of slate	"
83 Edgewater No. 2		8-8 '06	8-8 '06	American	6 yrs	18	Motor help.	S.	yes	1	1	50.00	Fall of slate	"
84 Echo.		8-8 '06	8-8 '06	German	6 yrs	22	Miner	M.	yes	1	1	200.00	Fall of slate	"
85 Boomer No 2 North		8-13 '06	8-13 '06	American	6 mo	24	Miner	S.	yes	1	1	200.00	Fall of slate	"
86 Elverton		9-8 '06	9-8 '06	American	8 mo	32	Miner	M.	yes	1	1	200.00	Electrocuted	"
87 Kilsyth.		9-11 '06	9-11 '06	Italian	3 mo.	45	Miner	M.	yes	1	1	200.00	Fall of coal	"
88 Kilsyth		9-13 '06	9-13 '06	Negro	3 yrs	32	Miner	M.	yes	1	1	200.00	Heart disease	"
89 Meadow Fork.		10-5 '06	10-5 '06	American	"	32	Secretary	M.	yes	3	4	200.00	Struck by piece mine car (outside)	"
90 Minden No 5		10-10 '06	10-10 '06	Syrian	"	35	Miner	M.	yes	6	6	200.00	Fall of slate	"
91 Minden No. 2.		10-20 '06	10-20 '06	Polish	"	32	Miner	S.	yes	4	4	100.00	Fall of slate	"
92 Ansted.		11-23 '06	11-23 '06	Italian	"	40	Miner	M.	yes	4	4	200.00	Fall of slate	"
93 Eureka No 13.		11-24 '06	11-24 '06	Negro	6 yrs	32	Engineer	S.	yes	4	4	200.00	Head split by cross-head or drum	"

94	Oakwood.....	Fred Douglass.....	12-7 '06	12-7 '06	12-7 '06	10 yrs..	20 yrs..	40 yrs..	Driver.....	13.	yes	1	50.00	Crushed between car and roof in mine	no
95	Prudence	August Rick	12-17 '06	12-17 '06	12-17 '06	20 yrs..	40 yrs..	40 yrs..	Miner.....	M.	yes	1	50.00	Fall of slate	no
96	Kilayth	Conito Oartuel	12-18 '06	12-18 '06	12-18 '06	1 yr.	1 yr.	22 yrs..	Miner.....	S.	yes	1	50.00	Fall of coal	no
97	Prudence	Moses Jordan	12-20 '06	12-20 '06	12-20 '06	1 yr.	1 yr.	18 yrs..	Driver.....	S.	yes	1	50.00	Fall of slate	no
98	No 1, Col. I. & S. Co.	Ellis Ferguson	1-21 '07	1-21 '07	1-21 '07	.....	.....	21 yrs..	Coke man	M.	yes	1	50.00	Heart failure	no
99	Stuart Shaft	James Bradley	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	S.	yes	1	50.00	Exp of gas & dust	yes
100	"	Charles Coble	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
101	"	John Morris	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
102	"	Charles Vergil	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
103	"	W. M. Cook	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
104	"	James Eckersley	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
105	"	W. J. Hamilton	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Min'g Eng'r	S.	yes	1	50.00	.....	.....
106	"	et.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
107	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
108	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
109	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
110	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
111	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
112	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
113	"	Lester Loving	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
114	"	Ballard Fitzpatrick	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Salesman	S.	yes	1	50.00	.....	.....
115	"	Shelton Mooney	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
116	"	George Dairs	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	S.	yes	1	50.00	.....	.....
117	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	S.	yes	1	50.00	.....	.....
118	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	M.	yes	2	50.00	.....	.....
119	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	M.	yes	2	50.00	.....	.....
120	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
121	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
122	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
123	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	S.	yes	1	50.00	.....	.....
124	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	M.	yes	1	50.00	.....	.....
125	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	2	50.00	.....	.....
126	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
127	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....
128	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
129	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
130	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
131	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
132	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
133	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
134	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
135	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	S.	yes	2	50.00	.....	.....
136	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Mine boss	M.	yes	1	50.00	.....	.....
137	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	M.	yes	1	50.00	.....	.....
138	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	S.	yes	1	50.00	.....	.....
139	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Laborer.....	M.	yes	1	50.00	.....	.....
140	"	.....	1-23 '07	1-23 '07	1-23 '07	.....	.....	.....	Miner.....	M.	yes	1	50.00	.....	.....

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

No.	NAME OF MINE	Name of Person Killed	Date of		Nationality	Length of experience	Age	Total No. of Dependents	Insurance & amount	How Killed.	Inquest
			Injury	Death							
141	Fayette Co.—Con.	Alexander Turner	1-28 '07	1-29 '07	Negro...	...	...	...	...	Exp. of gas & dust	Yes
142	Stuart Shaft	Henry Ross	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
143	"	Arthur Thomas	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
144	"	Robt. McIntire	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
145	"	Thomas Estus	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
146	"	Isiah Fitz	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
147	"	Dalrd Fitz	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
148	"	Enos Banks	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
149	"	Gay Bryant	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
150	"	Willson Boone	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
151	"	Whit Bushnell	1-29 '07	1-29 '07	Negro...	...	...	...	...	...	...
152	"	Paul Jones	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
153	"	Charlie Kwak	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
154	"	John Kalisz	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
155	"	Joe Baur	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
156	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
157	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
158	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
159	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
160	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
161	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
162	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
163	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
164	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
165	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
166	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
167	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
168	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
169	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
170	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
171	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
172	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
173	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
174	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
175	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
176	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
177	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
178	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...
179	"	"	1-29 '07	1-29 '07	Hungar'n	...	...	...	...	...	...

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	Name of Person Killed.	Date of		Length of Experience	Insurance & amount.	How Killed.	Inquest.
		Injury.	Death.				
<i>Kanawha Co. Cont'd</i>							
224 W. Va. No. 1	Jacob Hubbard	4-19 '07	4-19 '07	.....	.....	Internal bleeding.	No.
225 La Mont No. 8	Albert Perry	5-17 '07	5-17 '07	.....	.....	Fall of slate.	..
226 No. 6 (H. & S.)	Italian No. 14	5-27 '07	5-27 '07	.....	.....	Fall of slate	..
227 No. 1 Black Band	Will McDowell	5-29 '07	5-29 '07	.....	.....	Mine cars	..
228 Lucas Ray	Elmer Hayes	6-4 '07	6-4 '07	3 yrs	.....	Fall of slate	..
229 Kayford	Ruben James	6-25 '07	6-25 '07	.....	.....	Fall of breast coal	..
230 Ruby	Ellis Neal	6-25 '07	6-25 '07	.....	.....	Mine Cars (outside) run away	..
231 ..	Ernest Bias	6-25 '07	6-25 '07	.....	.....	Mine Cars (outside) run away	..
<i>Marion County.</i>							
232 Klondike	Rutter Holt	9-5 '06	9-5 '06	3 yrs	220 00	Fall of slate	No.
<i>Nicholas County.</i>							
233 Greendale	James T Nutter	9-21 '06	9-21 '06	0 yrs	.....	Fall of slate	No.
<i>Putnam County.</i>							
234 Manilla	John Allison	8-7 '06	8-7 '06	0 yrs	.....	Fall of slate	No.
<i>Raleigh County</i>							
235 Raleigh No. 1	Thomas Crezellok	7-9 '06	7-9 '06	.....	.....	Fall of slate	No.
236 Oranberry	Italian No. 47	7-20 '06	8-20 '06	.....	.....	Caught by descend- ing cage	No.
237 Raleigh No. 3	William Wooten	8-28 '06	8-28 '06	3 yrs	.....	Fall of slate	No.
238 Beckley	Robert A. Moore	9-6 '06	9-6 '06	American	50 00	Fall of slate	..
239 Wright No. 2	Frank McClure	4-8 '07	4-8 '07	American	.....	Mine cars	..
240 Stonewall	Charles Smartek	5-17 '07	5-20 '07	Hungar'n	50.00	Fall of slate	..
241 Price Hill	Lawrence Saunders	6-27 '07	6-27 '07	Negro	50.00	Fall of slate	..
<i>Logan County.</i>							
242 Yuma	Otto Krung	2-16 '07	2-16 '07	German	.....	Blow out shot.	No.
243 ..	Peter Steltz	2-16 '07	2-16 '07	Hungar'n	.....	Blow out shot.	No.
244 Rex	Edward M. Grover	3-4 '07	3-4 '07	American	.....	Blown through shot	No.
245 No. 1 Logan	Edward Elkins	5-14 '07	5-14 '07	American	.....	Mine cars	No.
246 Island Creek No. 2	J D Johnson	6-21 '07	6-21 '07	Negro	.....	Fall of slate	No.
<i>Mingo County.</i>							
247 Thacker No. 2	William Steele	7-3 '06	7-5 '06	American	.....	Mine cars	No.
				13 Trapper	.....	

FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	Name of Person Killed.	Date of		Nationality.	Length of experience	Age	Occupation	Married or Single.	Widow.	Children.	Total No dependants.	Insurance amount.	How Killed.	Inquest.
		Injury.	Death.											
McDowell Co. Coa.														
290 Pulaski...	James Witcher	12-14 '06	12-28 '06	Negro	4 yrs.	34	Laborer	M	yes	2	4		Outside exp. of powder	no.
291 " "	Ad. Mullins	12-14 '06	12-14 '06	Negro	5 yrs.	22	Laborer	R.					"	"
292 " "	Alex Finney	12-14 '06	12-14 '06	Negro	4 yrs.	36	Laborer	M	yes		1		"	"
293 " "	Parthens Rhodes	12-14 '06	12-19 '06	Negro			Non-emp'e	M		2	2		"	"
294 " "	son.	12-14 '06	12-25 '06	Negro			Non-emp'e	M		1	1		"	"
295 Elkridge		12-15 '06	12-15 '06	American	3 yrs.	26	Loc. engin'r	S.				50 00	Locomotive	yes
296 Empire	Alexander Bordlie	12-18 '06	12-18 '06	English	16 yrs.	26	Miner	S.					Fall of Coal	no
297 U. S. No 6	Eugene Scharbowski	12-20 '06	12-20 '06	Hungarian	3 mos	14	Miner	S.					Fall of Slate	"
298 Indian Ridge	Tony Zarra	12-20 '06	12-20 '06	American	5 yrs.	34	Miner	M.	yes	1	2		"	"
299 Peerless	Lawrence Quadron	12-21 '06	12-21 '06	Italian	2 yrs.	19	Miner	S.					"	"
300 " "	Garfield Lynch	12-21 '06	12-21 '06	Not given			Miner						"	"
301 McDowell	Rodel Frozel	12-23 '06	12-23 '06	Negro	2 yrs.	26	Miner	M.	yes	1	2		Fall of Coal	yes
302 Keystone	John Perry	1-9 '07	1-9 '07	Italian	2 yrs.	23	Miner	M	yes		1		Fall of Slate	no
303 Indian Ridge	Boone Carter	1-12 '07	1-12 '07	Italian	2 yrs.	36	Miner	M.	yes		1		Fall of Slate	yes
304 Empire	Jeff L. Jennings	1-15 '07	1-15 '07	American	3 yrs.	23	Rockman	M					Fall of Slate	no
305 Ashland	John C. Pelter	1-24 '07	1-24 '07	American	8 mos.	44	lock Boss	M	yes	8	9		Mine Cars (outside)	"
306 Bottom Creek	L. E. Warden	1-25 '07	1-25 '07	American		25	Carpenter	S.					Gin Pole (outside)	"
307 Shamokin	James Johnson	1-31 '07	1-31 '07	American		24	Miner	S.					Fall of Coal	yes
308 Turkey Gap	Henry Toler	2-1 '07	2-1 '07	Negro	10 yrs.	29	Miner	M	yes	4	6		Fall of Slate	no.
309 Empire	Percy Harbor	2-4 '07	2-4 '07	Negro	10 yrs	37	Miner	M	yes	6	7		Fall of Slate	"
310 Berwind No. 1	George Tobold	2-8 '07	2-8 '07	Negro	4 yrs.	23	Mach. run'r	H.					Fall of Sandrock	"
311 " "	Karl Bauer	2-8 '07	2-8 '07	Hungarian	3 yrs.	25	Mac. helper	H.					Fall of Sandrock	"
312 Bottom Creek	Harre W. Lester	2-14 '07	2-18 '07	German	3 mos.	23	Miner	H.					Exp. of powder outside	"
313 Lynchburg	John D. Bailey	2-18 '07	2-18 '07	American	3 yrs.	30	Brakeman	M	yes	2	2		Mine Cars	"
314 Norfolk	George Mills	2-19 '07	2-19 '07	American	6 yrs.	19	Dumper	H.					Mine Car (outside)	"
315 Peerless	Jerry Lovell	2-19 '07	2-20 '07	Negro	6 yrs.	25	Miner	H.					Fall of Slate	yes
317 Peerless	Adam Sprakup	2-20 '07	2-20 '07	American		20	Miner	S.					Fall of Coal	no.
318 Angle	Angelo Lacoata	2-22 '07	2-22 '07	Polish		24	Laborer	S.					Fall of Slate	yes
319 Page	Robert Carter	2-25 '07	2-25 '07	Italian		25	Trackman	S.					Mine Cars	yes
320 King	Robt L. Boon	3-14 '07	3-14 '07	Negro	15 mos.	15	Trapper	S.					Mine Car	no
321 Marytown	James Meadows	3-15 '07	3-15 '07	Negro	10 mos.	30	Miner	H.					Fall of Coal	"
322 Angle	Zack Hopkins	3-18 '07	3-18 '07	Negro		35	Miner	H.	yes	1	2		Powder Explosion	"
323 Indian Ridge	Walter Lackey	3-25 '07	3-25 '07	Negro	3 yrs.	19	Car dropp'r	S.					Railroad Cars	"
324 Turkey Gap	Dominique Koint	3-29 '07	3-29 '07	American	6 yrs.	37	Laborer	M	yes		1		Fall of Slate	yes
325 Elk Ridge	Robt Brown	4-5 '07	4-5 '07	Italian	2 yrs.	35	Laborer	S.					"	no
326 U. S. No. 2	Macon Gilliam	4-6 '07	4-6 '07	American	4 yrs.	33	Miner	M.	yes	6	7		"	no
327 Page	John Goot	4-6 '07	4-6 '07	Negro		33	Miner	M.				50 00	Fall of Coal	yes
328 Delta		4-8 '07	4-8 '07	Slavish		35	Miner	S.					"	yes

•Non-employee

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience	Age	Occupation.
<i>Brooke County.</i>						
1 Locust Grove . . .	Joseph Bence . . .	9-28 '06	Italian . . .	4 mo	20	Miner . . .
2 Locust Grove . . .	James Venturine . . .	10-18 '06	Italian . . .	1 mo	33	Miner . . .
3 Locust Grove . . .	Andy Brondoes . . .	11-11 '06	Slavish . . .	1 yr	25	Trackman . . .
4 Gilchrist . . .	Domenico Dalsegno . . .	11-21 '06	Italian . . .	2 yrs	28	Miner . . .
5 Lewis . . .	E. J. Byrne . . .	12-4 '06	American . . .	6 wks.	21	Miner . . .
6 Locust Grove . . .	Geo. Bancroft . . .	12-9 '06	Slavish . . .	2 mo	17	Miner . . .
7 Locust Grove . . .	Jno. O'Rourke . . .	4-20 '07	1	1	21	Laborer . . .
8 Locust Grove . . .	Z. Banemeno . . .	5-21 '07	1	1 mo	27	Miner . . .
9 Locust Grove . . .	Tony Vervena . . .	5-30 '07	1	6 mo	22	Miner . . .
<i>Marion County</i>						
10 Anderson . . .	Larry Ohercosta . . .	7-5 '07	1	1 mo	35	Load runner . . .
11 Anderson . . .	John Folio . . .	7-19 '07	1	4 mo	23	Miner . . .
12 Monongah No. 6 . . .	H. L. Wilson . . .	8-1 '07	1	18 mo	26	Dumper . . .
13 Monongah . . .	Fred Stubbs . . .	8-3 '07	1	5 yrs	28	Driver . . .
14 Chatham No 1 . . .	Yanko Girdonage . . .	8-13 '07	1	4 yrs	45	Miner . . .
15 Chatham No 1 . . .	Tony Koltch . . .	8-19 '07	1	4 yrs	40	Miner . . .
16 Montana . . .	E. N. Smith . . .	8-20 '06	American . . .	5 yrs	40	Machine boss . . .
17 Anderson . . .	Louie Workoski . . .	8-29 '06	German . . .	8 mo.	37	Miner . . .
18 Monongah No 3 . . .	Joe Stembia . . .	8-30 '06	Slavish . . .	4 1/2 mo.	32	Miner . . .
19 Monongah No 5 . . .	Mike Diffilus . . .	9-10 '06	Italian . . .	5 yrs	19	Laborer . . .
20 New England . . .	James Marazite . . .	9-10 '06	Italian . . .	2 yrs	45	Miner . . .
21 Montana . . .	Andy Remor . . .	9-14 '06	Slavish . . .	8 yrs	28	Miner . . .
22 Highland . . .	John Candido . . .	9-17 '06	Italian . . .	8 yrs	22	Trackman . . .
23 Montana . . .	Wm. Paolac . . .	10-3 '06	Slavish . . .	1 yr.	23	Mach. runner . . .
24 Chiefton . . .	Mike Kochler . . .	10-16 '06	Slavish . . .	2 yrs	23	Mach. helper . . .
25 Shaft . . .	G. M. Satterfield . . .	10-23 '06	American . . .	3 yrs	18	Rope rider . . .
26 Montana . . .	Clyde Dawson . . .	10-26 '06	American . . .	1 1/2 yrs	21	Grip rider . . .

Monongah No. 8.	Fields Tapley	10-20 '06	Negro.	7 yrs	Driver & Brak'n	Caught bet. car and rib.	Small bone in right leg broken above ankle
27	Peter Brodovich.	11-2 '06	Slavish..	4 yrs	38 Miner.	Fall of coal.	Left leg broken & crushed at ankle, amput'd above ankle
28	Tomy Jones	11-5 '06	American	1 mo.	15 Trapper	Mine cars	Left leg cut and broken at ankle, amputated.
29	S. A. Wisman	11-27 '06	American	4 yrs.	44 Carpenter	Caught bet. load of hay and trestle	Breast-bone broken.
30	Tony Russian	1-5 '07	Austrian..	1 yr.	24 Miner.	Caught bet. coal bumpers	Ankle joint and heel cut off left foot.
31	Santo Guinto	1-8 '07	Italian..	2 mos.	25 Slateman.	Fall of slate	Compound fracture left leg.
32	Donimick de Barto.	2-14 '07	Italian..	8 mos.	40 Miner.	Blown out shot	Head, face, neck and hands severely burned.
33	Clements de Barto.	2-14 '07	Italian..	8 mos.	38 Miner.	Blown out shot	Head, neck and hands badly burned
34	J. A. Cook	2-14 '07	American	3 mos.	23 Chainman	Blown out shot	Face, neck and hands burned 1st and 2nd degree.
35	George Smonowich.	2-16 '07	Austrian..	10 mos.	40 Miner.	Fall of head coal	Right arm broken.
36	Bill Birch	2-12 '07	Italian..	6 wks.	25 Driver	Fall of slate	Fracture of breast bone.
37	Mike Deoria	2-13 '07	Italian..	3 yrs.	34 Miner.	Fall of slate	Right leg broken and crushed below knee.
38	Frank Abonis	2-14 '07	Italian..	4 yrs.	38 Miner.	Mine car and rib	Collar bone dislocated, 1 rib broken
39	Mike Seloakle	2-29 '07	Polish	18 mos.	Miner.	Fall of coal at face	Both collar bones fractured.
40	Larry Company	5-5 '07	Italian..	8 yrs	23 Slateman	Fall of slate	Slight scalp wounds, fracture
41	Joe Pin, Jr.	5-15 '07	Italian..	1 yr	15 Laborer	Rail road cars	
42	Alex Durenz	5-15 '07	Italian..		24 Miner.	Fall of slate	
43	Walter Groves	5-18 '07	American	3 yrs.	19 Miner.	Caught bet. car & prop.	
44	Junior Orr	5-21 '07	American	1 yr.	15 Oiler	Mine car, outside	
45	Mike Simcish	5-13 '07	Slavish.	3 yrs	23 Miner.	Fall of coal and slate	Fracture of left tibia, bruises on left hand, arm and face.
46	John C. Mundell	5-19 '07	American	rev'ral	62 Miner.	Fall of coal	Contused hand.
47	Wilson Riedy	5-19 '07	American	3 mos.	22 Miner.	Mine car	Laceration of left hand, thumb broken, index finger amputated.
48	Samuel Thompson	5-27 '07	American	1 yr.	38 Timberman	Fall of slate	Fracture of left tibia, contused wound of scalp.
49	Richard No. 1	5-6 '06	Italian..	3 yrs	25 Miner.	Mine Car	Back broken.
50	Toney Jimmey	1-7 '07	Italian..	3 yrs	49 Miner.	Fall of shell sandstone	Fracture lower end of femure ribs crushed, lung punctured, left hip mashed
51	Joe Cappett	1-9 '07	Italian..	4 yrs	19 Driver	Thrown from horse	Collar bone broken.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	Name of Person Injured.	Date of Accident	Nationality	Length of Experience	Age	Nature of Accident.	Injuries Sustained
<i>Harrison Co. Con.</i>							
115 Viropa	Alfred Cooper	6-18 '07	American	6 yrs	52	Fall of slate	Fracture of right leg.
116 Viropa	Gebor Ibrarig	6-20 '07	Hungarian	2 days	40	Fall of slate	Head, nose, leg and shoulder hurt.
117 Cork	Elmer Greynolds	6-27 '07	American	.....	29	Caught bet. car and rib.	Finger broke
118 Columbia	Martin Gloster	6-27 '07	Slavish	3 yrs	29	Fall of coal	Left leg broken.
<i>Taylor County.</i>							
119 T B Davis	J P. Whitehair.	5-22 '07	American	.....	.....	Fall of slate	Chest and knee injured
<i>Grant County</i>							
120 Davis O. & C. Co. No 22	James Meyers	1-2 '07	German	5 mos.	20	Contact with live wire	Falling and cut head.
121 " " " " " " " "	Joe Luwikits	1-22 '07	Slavish	3 wks.	23	Flying coal	Face cut, lost eye.
122 " " " " " " " "	Frank A. Coleman ..	2-26 '07	German	2 1/2 yrs.	52	Repairing pump	Partial loss small finger
123 " " " " " " " "	Patsy Ross	3-26 '07	Italian	1 yr.	19	Contact with live wire	Burned head and arm
<i>Upshur County.</i>							
124 Red Rock	Hugo Larson	1-3 '07	Swede	7 wks.	28	Caught foot in rail-point motor ran over him ..	Leg cut off below knee
<i>Mineral County.</i>							
125 Smith	Thomas Boyce	7-27 '06	American	3 yrs	23	Rock and coal	Squeezed
126 Davis O. & C. Co. No 50	Philip Facenbaker ..	8-5 '06	American	10 mos.	45	Fall of rock	Sprained ankle.
127 Gleason	Homer Boetner	8-8 '06	American	3 yrs	23	Fall of slate	Bone in leg fractured.
128 Gleason	J. W. Iman	8-9 '06	American	5 yrs	23	Mine cars	Contused ankle.
129 Smith	Joseph Campbell	8-11 '06	American	11 yrs	24	Fall of rock	Leg broken
130 Wabash No 9	Toll Duling	8-21 '06	American	4 yrs	57	Fall of coal	Leg broken.
131 Davis O. & C. Co. No 19	Jacob Whisner	9-8 '06	American	1 mo.	57	Fell from R. R. car ..	Dislocated a rib
132 Hampshire	H. R. Redings	9-17 '06	American	.....	53	Fall of bone coal	Leg broken and three ribs.
133 Davis O. & C. Co. No 51	John Mason	9-18 '06	American	10 mos	30	Explosion of powder ..	Burned face and breast.
134 Smith	Howard Warnick	10-6 '06	American	5 yrs	30	Mine cars gravity plane	Broken leg.
135 Davis O. & C. Co. No 20	Harry Moors	11-8 '06	English	16 mos.	28	Struck coal with finger.	Blood poison
136 " " " " " " " "	J. H. Paugh	11-8 '06	American	6 yrs	21	Cap pieces fell on thumb	Cutting thumb
137 " " " " " " " "	Henry Drapptman ..	11-14 '06	American	20 yrs	55	Caught arm between car and prop	Bruised arm
138 " " " " " " " "	Gear Price	11-15 '06	Welsh	16 mos.	34	Flying coal	Eye injured
139 " " " " " " " "	T. Hilborn	11-17 '06	American	6 yrs.	20	Cutting door frame ..	Out wrist
140 " " " " " " " "	Ed Hershberger	11-23 '06	German	8 yrs	23	Fall of coal	Finger broken
141 " " " " " " " "	J. Ravenscroft	12-3 '06	American	15 yrs.	21	Fall of slate	Foot and leg bruised.
142 " " " " " " " "	Frank Cummings ..	12-7 '06	Irish	5 yrs.	45	Blown out shot	Burned face and arms
143 " " " " " " " "	Sherman Strather ..	12-16 '06	American	4 yrs	45	Fall of coal	Hand bruised.

144	Davis C. & Co.	No. 6	J. H. Sheets.	12-18 '06	American	8 yrs	19 Miner.	Replacing car on truck.	Arm bruised.
145	"	No. 14	Fred Puffenberger	12-18 '06	American	2 mos	38 Miner.	Fall of rock	Foot mashed.
146	"	No. 6	Taylor Shares.	1-23 '07	American	12 yrs	34 Miner.	Replacing car on track	Broken rib.
147	"	No. 20	W. Liller	2-2 '07	American	5 mos	30 Miner.	Arm struck car	Bruised arm.
148	"	No. 20	J. R. Wilson	2-4 '07	American	3 mos	32 Miner.	Fall of roof	Head & shoulder bruised.
149	"	No. 51	James Donnelly	2-13 '07	American	9 mos	25 Miner.	Premature dyn. explo.	Face, breast & eyes injured.
150	"	No. 20	Sam Pritchard	2-13 '07	American	4 mos	18 Laborer	Dumping car	Ankle bruised.
151	"	No. 20	Mike Noonan	2-16 '07	Irish	4 mos	22 Miner.	Car wheel	Broken toes.
152	"	No. 6	W. F. Davis	3-13 '07	American		42 Miner.	Fall of coal	Shoulder bruised.
153	"	No. 20	Charles Boselli	3-15 '07	Italian	3 yrs	26 Miner.	Carrying a prop	Fractured rib.
154	"	No. 20	Jake Keller	3-18 '07	American	2 yrs	33 Miner.	Working with pick	Finger cut.
155	"	No. 20	P. F. McNally	3-19 '07	American	16 mos	43 Miner.	Claw bar slipped	Rib injured.
156	"	No. 20	J. H. Wilhelm	4-2 '07	German	3 yrs	29 Dumper	Replacing car on track	Straining back.
157	"	No. 20	Walter Wilson	4-3 '07	American	2 yrs	19 Miner.	Caught hand bet. mule & car	End of thumb off.
158	"	No. 6	Bliss King	4-4 '07	American	6 yrs	35 Miner.	Fall of coal	Head & shoulder bruised.
159	"	No. 20	Walter Reunion	4-10 '07	American	3 yrs	17 Miner.	Car wheel	Ankle bruised.
160	"	No. 14	Dan Reed	4-22 '07	American		20 Driver	Car and rib.	Slide & face injured.
161	"	No. 6	L. N. Loyd	5-5 '07	American	5 yrs	40 Miner.	Bet. bucket and rib.	Arm cut.
162	"	No. 6	Robt. McDonald	5-15 '07	American		50 Miner.	Fall of coal	Leg & side bruised.
163	"	No. 19	Ed Brothwaite	5-21 '07	American	3 yrs	17 Driver	Mine car wheels	Foot mashed.
164	"	No. 20	Geo. A. Shaffer	5-24 '07	American		49 Miner.	Between two rocks	Mashed thumb.
165	"	No. 9	John Gilhouser	6-4 '07	American		49 Driver	Between mine cars	Leg mashed.
166	"	No. 6	Phil White	6-6 '07	American		Miner.	Fall of slate	Face cut.
167	"	No. 6	James Hickey	6-10 '07	American		Miner.	Yarding cars	Mashed hand.
168	"	No. 9	J. L. Shingler	6-18 '07	American		31 Miner.	Fall of coal	
169	"	No. 20	James Blackburn	6-27 '07	American	1 yr	43 Miner.	Fall of coal	Ankle sprained.
<i>Preston County.</i>									
170	Victoria		John R. Purinton	9-30 '06	American	5 yrs	55 Fire boss	Ignition of gas	Badly burned.
171	Austin No. 2		John de Angelese	10-1 '06	Italian	1 yr	28 Miner	Fall of slate	Right thigh bone broken.
172	Kingwood No. 4		Paul Morandi	10-6 '06	Italian	6 yrs	27 Miner	Fall of coal	Broken leg.
173	Kingwood No. 4		Anthony Santucci	10-18 '06	Italian	2 yrs	37 Miner	Fall of bone coal	Back hurt.
174	Bretz No. 2		James Hann	12-12 '06	American	9 mos	22 Motor runner	Motor and rib	Head & breast injured.
175	Victoria No. 2		J. F. Lytton	1-16 '07	American		24 Miner	Mine cars	Shoulder & hip bruised.
176	Kingwood No. 4		Giuliano Tombalini	1-19 '07	Italian	4 mos	28 Miner	Fall of bone coal	Internal concu'n, eye hurt.
177	Austin No. 2		Paul Latganza	3-9 '07	Italian	4 yrs	25 Mac helper.	Fall against mach. bits	Flesh wound right leg.
178	Austin No. 1		Ed Maxwell	3-13 '07	American	18 yrs	36 Miner	Fall of slate	Body & legs bruised.
179	Austin No. 2		Sam. Beaton	3-14 '07	Italian	6 yrs	27 Miner	Fall of coal	Body & legs bruised.
<i>Randolph County.</i>									
180	Weaver No. 2		Mike Onpella	7-17 '06	Italian	13 yrs	35 Miner	Premature powder explo.	Body, face & head bruised.
181	Lelter.		Joseph Durkin	8-10 '06	American	9 yrs	29 Laborer	Fell off, roofing house	Hips bruised.
182	Weaver No. 1		Joseph Gallo	9-7 '06	Italian	8 mos	30 Coke man	Railroad car outside	Foot mashed, toes broken.
183	Colliery No. 1		Jesse Phillips	10-7 '06	American	Sev yrs	20 Driver	Mine cars	Leg broken below knee.
184	Lelter.		Elmore Skidmore	10-26 '06	American		32 Driver	Fall of slate	Jaw broken, ear lacerated.
185	Weaver No. 2		Gus Parrish	10-30 '06	Negro	Sev yrs	32 Driver	Mine cars	Head cut, ribs broken.
186	Weaver No. 1		James Stewart	1-11 '07	American	2 yrs	43 Rope rider.	Mine cars	Ankle sprained.
187	Weaver No. 1		Gregory Voce	1-30 '07	Italian	8 mos	28 Miner	Fall of coal	Back injured.
188	Weaver No. 1		Walter Pill	2-14 '07	American	8 yrs	22 Driver	Mine car	Foot mashed.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE	Name of Person Injured	Date of Accident	Nationality	Length of Experience	Age	Occupation	Nature of Accident	Injuries Sustained.
<i>Randolph Co., Cont'd</i>								
180 Weaver No 1	Hickman Right	2-16-07	American	4 yrs	23	Driver	Fall of slate	Back and hand bruised.
190 Weaver No 2	Jim Decello	3-11-07	Italian	3 yrs.	27	Miner	Fall of coal.	Leg bruised.
191 Weaver No 2	Frank Crulkshank	4-13-07	American	5 yrs.	45	Laborer	Haulage rope	Wire Pierced hand.
<i>Tucker County</i>								
192 Beeson No 1	R. Washington	8-2-06	Negro	.....	25	Driver	Mine cars	Leg broken
193 Davis & O	Wm Laegood	8-3-06	Irish	18 mos.	37	Miner	Fall of slate	Crushed foot.
194	Wm W House	8-17-06	American	4 yrs.	47	Miner	Fall of roof.	Broken leg
195	Howard House	8-17-06	American	2 yrs.	14	Miner	Fall of roof.	Finger cut off.
196	Robt C House	8-17-06	American	4 yrs.	16	Miner	Fall of roof.	Hand mashed.
197	Tony Palace	9-3-06	Italian	1 yrs.	41	Timberman	Fall of slate	Leg broken
198	Frank Bartes	9-11-06	Austrian	4 yrs.	21	Miner	Fall of coal.	Ankle broken.
199	Tony Frank	9-11-06	Italian	3 mos.	36	Miner	Fall of coal.	Foot mashed.
200	Thomas Kirov	9-13-06	Irish	25 yrs	48	Miner	Motor and fall.	Back injured.
201	Wm Hersberger	9-13-06	American	4 yrs.	32	Miner	Fitting pipe.	Wrench mashed foot.
202	Tony Mile	9-14-06	Irish	2 yrs.	38	Miner	Fall of slate	Back bruised
203	Jack Augeloner	9-19-06	Austrian	3 wks.	31	Miner	Fall of roof	Mashed through hips.
204	Leo Morris	9-20-06	Irish	3 yrs.	28	Miner	Car and rib	Hips squeezed.
205	Menlik Aloi	9-28-06	Italian	1 yr.	27	Miner	Fall of coal.	Knee hurt.
206	A E Price	10-1-06	American	5 yrs	37	Miner	Mine cars	Two toes broken
207	Wm Thayer	11-3-06	American	4 yrs.	39	Miner	Kicked by mule	Broken nose.
208	M Shuttleworth	11-13-06	American	3 mos	30	Miner	Cleaning a fall.	Foot hurt
209	Lake Seapin.	11-13-06	Italian	.....	44	Miner	Fall of coal	Two ribs broken.
210	John Bentree	11-17-06	Italian	5 yrs.	17	Miner	Mine car and roof	Wrist broken.
211	Tony Gabrus	12-8-06	Italian	1 yrs.	33	Miner	Fall of coal and slate.	Contusion of knee.
212		12-7-06	Irish	2 yrs.	32	Miner	Car and coal	Shoulder and hip bruised.
213		12-20-06	Welsh	2 yrs.	31	Miner	Burned by gas explosion	Hands and face
214		12-20-06	American	1 yr.	14	Coupler	Mine cars	Amputation of finger.
215		12-28-06	Slavish	2 days.	22	Miner	Fall of slate.	Foot badly mashed part amputated
216		12-29-06	Austrian	16 days	24	Miner	Dynamite shot	Face and hands burned.
217		12-29-06	Austrian	3 yrs.	30	Miner	Dynamite shot	Face and hands burned
218		1-5-07	American	2 yrs.	18	Driver	Car wheel	Foot crushed
219		1-14-07	Italian	2 yrs.	26	Miner	Dynamite shot	Face and hands burned
220		1-14-07	American	1 yr.	24	Miner	Dynamite shot	Face and hands burned.
221		1-17-07	Negro	3 yrs.	20	Brakeman	Mine cars	Arm hurt.
222		1-28-07	Austrian	7 mos	24	Miner	Dynamite shot	Face and hands burned
223		2-14-07	Austrian	10 yrs	49	Miner	Fall of coal.	Leg and back hurt.
224		2-18-07	Austrian	1 yr.	28	Miner	Motor and rib.	Hips mashed

225	Davis C. & C. Co.	No. 37	James Gamble	2-19 '07	Polish	2 mos.	30	Miner	Fall of coal.	Fractured leg.
226	"	No. 25	John Becost	3-4 '07	Lith'nian	7 yrs.	38	Miner	Fall of slate.	Legs injured.
227	"	No. 25	Frank Moary	3-5 '07	Polish	4 yrs.	35	Miner	Fall of slate.	Leg and head cut.
228	"	No. 37	John Shultz	3-11 '07	Slavish	3 yrs.	27	Miner	Mule and kar.	Collar bone broken.
229	"	No. 38	Steve Litanasha	3-14 '07	Austrian	2 yrs.	17	Driver	Mine cars.	Fingers cut off left hand.
230	"	No. 87	Frank Pelican	3-18 '07	American	18 mos.	20	Mortorman	Fall of slate.	Fingers mashed.
231	"	No. 23	Wm. Baker	3-26 '07	American	6 wks.	16	Driver	Mine car.	Foot bruised.
232	"	No. 23	John Swedris	3-26 '07	Lith'nian	2 yrs.	38	Miner	Mine car and rib.	Breast squeezed.
233	"	No. 34	Joe Painter	3-30 '07	Prussian	1 yr.	36	Driver	Mine car.	Broken leg.
234	"	No. 36	Larry Luke	5-8 '07	Italian	1 yr.	25	Miner	Fall of coal.	Collar bone broken.
235	"	No. 25	John Lustick	5-6 '07	Slavish	2 yrs.	30	Miner	Fall of slate.	Wound on forehead.
236	"	No. 35	Joe Gaspudovis	5-7 '07	Austrian	4 yrs.	26	Miner	Car and cross timber.	Arm broken.
237	"	No. 35	Matt Hulbert	5-22 '07	American	6 yrs.	22	Driver	Car wheel.	Foot bruised.
238	"	No. 34	Nick Bullick	6-8 '07	Russian	2 yrs.	34	Miner	Mine car and roof.	Thumb mashed.
239	"	No. 26	John Sullivan	6-14 '07	Italian	2 yrs.	30	Miner	Mine car and rib.	Breast and ribs mashed.
240	"	No. 36	Andy Patch	6-24 '07	Italian	8 mos.	26	Miner	Mine car.	Toe mashed.
Clay County.										
241	Elk Manor		R. A. Mason	7-12 '06	American	Sever-	28	Loader	Fall of slate.	Forehead lacerated, other bruises.
Fayette County.										
242	St. Clair		Daniel Stanfield	7-11 '06	American	8 yrs.	54	Miner	Fall of coal and slate.	Leg broken.
243	Minden No. 4		John Walton	7-13 '06	American	sevyrs	42	Miner	Motor and mine cars.	Leg crushed neces. amput'n.
244	Thurmond No. 1		Bud Lucas	8-17 '06	American	7 yrs.	22	Driver	Kicked by a mule.	Collar bone broken.
245	Lyman		Anton Walsky	9-7 '06	Russian	10 yrs.	40	Miner	Fall of top coal, prevented escape from a shot in coal.	
246	Boomer No. 3		Merrill Donahue	9-22 '06	American	2 yrs.	17	Brakeman	Fell in front of motor.	Burned about face and body.
247	C. I. & S. Co. No. 1		John H. Martin	10-10 '06	American	6 yrs.	36	Miner	Spragging car.	Thigh broken, skull frac.
248	Hickory Camp		O. B. Centers	11-2 '06	American	5 yrs.	22	Miner	Fall of slate.	Right thumb cut off necessitating amputation.
249	C. I. & S. Co. No. 1		Thomas Watkeys	11-21 '06	American	6 yrs.	20	Driver	Water car and roof.	Internal injuries.
250	Laura		Rice Fields	11-23 '06	Negro	sevyrs	23	Miner	Fall of sand stone.	Left shoulder bruised.
251	Monarch		Robert Hudnall	11-30 '06	Unknown	15 yrs.		Driver	Mine cars.	Dislocated back, fracture right leg.
252	Monarch		Walter Lee	11-30 '06	Unknown	3 yrs.		Loader	Explosion of gas.	Foot mashed.
253	Hickory Camp		R. G. Rawlins	12-11 '06	American	2 yrs.	19	Driver	Mine cars and timber.	Face burned.
254	Oakwood		John Downey	12-19 '06	American	47 yrs.	62	Miner	Ignition of powder.	Leg broken.
255	C. I. & S. Co. No. 1		Edward Jarrett	1-11 '07	American	2 yrs.	15	Spragger	Mine car wheel.	Hands and face burned.
256	Turkey Knob		Dominic Rock	1-31 '07	Italian		26	Miner	Fall of slate.	Contusions of left arm.
257	Chapman		Everett Gillingham	2-18 '07	American	sevyrs	32	Miner	Fall of coal.	Leg broken, thigh bone broken.
258	C. I. & S. Co. No. 1		Howard Brown	3-11 '07	American	10 yrs.	24	Driver	Mine car and coal.	en.
259	C. I. & S. Co. No. 1		Thomas J. Ault	4-1 '07	American	8 yrs.	38	Sta. Engr'n	Pump machinery.	Fracture of skull.
260	C. I. & S. Co. No. 1		Frank Grazeno	4-12 '07	Italian	3 yrs.	25	Miner	Mine cars.	Contusion of hip & shoulder.
261	Prudence		George Horvath	5-12 '07	Hungar'n	10 yrs.	35	Miner	Explosion of cartridge.	Laceration of finger of right hand.
262	Laura		Harvey L. Oglesby	5-28 '07	Negro	sevyrs	30	Miner	Fall of slate.	Laceration of right leg.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30, 1907.—Continued.

	NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Occupation.	Nature of Accident.	Injuries sustained.
263	<i>Kanawha County.</i>							
264	West Va. No. 1	Joe Baer.	7-7 '06	Polish	2 yrs.	Hole borer.	Fall of coal.	Right leg broken.
265	Black Band No. 3	John Myers	7-28 '06	American	10 yrs.	Driver.	Mine car.	Broken femur.
266	Ultimax	John Johnson	8-6 '06	American	3 yrs.	Miner.	Fall of coal.	Left leg broken below knee.
267	Carbon No. 5	R. Workman	8-22 '06	American	21 yrs.	Contractor.	Fall of slate.	Sides, hip and foot bruised.
268	Banner	John Perry	8-22 '06	Italian	2 yrs.	Miner.	Squib too short for escape.	Contusion of arm and side.
269	United Gas	Joe Martin.	9-3 '06	American	1 yr.	Driver.	Mine car and rib.	Fracture of collar bone.
270	United Gas	Chas. Zimmerman.	9-11 '06	American	3 yrs.	Driver.	Mine car and rib.	Head bruised.
271	Black Band No. 2 1/2	Watt Price	9-12 '06	American	12 yrs.	Driver.	Mine car.	Arm crushed below elbow necessitating amputation.
272	Banner No. 2	Rosco Sturgeon.	9-13 '06	American	6 yrs.	Miner.	Flying coal from shot.	Contusion, side neck, head and shoulder.
273	Republic No. 1	W. H. Chapman	9-20 '06	American	4 yrs.	Miner.	Fall of slate	Hip and back injured.
274	Campbells Ork No. 1	Van Mead	9-28 '06	American	20 yrs.	Trackman.	Fall of stone.	Head and ankle hurt.
275	Nuckolls	John Dunn	9-15 '06	American		Mine Foreman	Mine car.	Leg broken.
276	Black Band No. 3	R. D. Hoover	11-3 '06	American	8 yrs.	Driver.	Mine car.	Arm broken.
277	Black Cat	Wm A. Canterberry	11-7 '06	American	36 yrs.	Miner.	Fall of slate	Fracture of neck.
278	Cherokee.	Samuel Merquen.	11-22 '06	Italian	2 yrs.	Miner.	Fall of coal and slate.	Body and head hurt.
279	Key-tone.	Bert Frum	11-26 '06	American	3 yrs.	Motor helper	Mine cars (inside)	Leg broken bet. knee & ankle.
280	Cherokee.	Henry Weese.	11-26 '06	American	2 yrs.	Trapper	Mine car.	Index finger cut off left hand.
281	Hughston No. 2	Frank Woods.	12-10 '06	Negro.	15 yrs.	Mach. runner	Fall of slate	Broken leg and bruises.
282	South Carbon	Pete Wilson	12-10 '06	American	5 yrs.	Miner.	Fall of coal and slate.	Back and hips bruised, scalp wound.
283	Keystone	G. W. Johnson	12-11 '06	American		Miner.	Fall of coal and slate	Compound frac. of ankle.
284	Belmont	Harry Hillard	12-28 '06	American		Unhooker	Mine car (outside)	Toe mashed necess. ampu'n.
285	Hughston No. 3	T. J. Alexander.	1-2 '07	American	10 yrs.	Miner.	Fall of slate	Broken thigh.
286	Hughston No. 3	Frank Fry.	1-5 '07	American	sev yrs	Mach. runner	Mining machine.	Right foot cut off above ankle
287	Cherokee	John W. Campbell.	1-7 '07	American	20 yrs.	Miner.	Fall of coal.	Right arm lacerated.
288	Butler	Pat Kirk.	1-9 '07	American	5 yrs.	Miner.	Fall of slate.	Leg broken, back broken.
289	No. 2 Gas (annelton	Aleck White	1-9 '07	Negro.	20 yrs.	Miner.	Fall of slate.	Knee badly wrenched.
290	Kayford	Mont Hunter.	1-9 '07	American	3 yrs.	Miner.	Fall of slate.	Scalp wound, sprained leg.
291	Butler	Orlf Jarrell.	1-11 '07	American	5 yrs.	Mach. runner	Flying coal from shot.	Hip and legs bruised.
292	Butler	Clifton Halstine.	1-19 '07	American	2 yrs.	Lab. on tippie	Retarding door fell.	Third finger right hand split, four fingers mashed.
293	W. Va. No. 1	John Bulus	1-28 '07	Polish	18 mos.	Miner.	Premature explosion.	Face and hands burned.
294	Republic No. 3	John Stover	2-25 '07	American		Loader.	Blown out shot.	Hands, face and back burned.
295	Winfrede South	Mart Toney	3-11 '07	American	15 yrs.	Miner.	Fall of slate.	Leg broken.
296	Morton	Everett Buckland.	3-12 '07	American	2 wks.	Miner.	Fall of slate	Face and back bruised.
297	Republic No. 3	Van Stover	4-2 '07	American	4 yrs.	Mach. man.	Fall of coal.	Left hip bruised.

297	Empire.....	John Vitcoski.....	4- 8 '07	Polish.....	18 mos.	38	Mach. runner	Chain of mining mach..	Ankle and foot lacerated.
298	Morton.....	Michael Shannon.....	4- 8 '07	Irish.....	30 yrs.	55	Miner.....	Mine car.....	Ribs broken, ankle sprained.
299	South Carbon.....	Ote Thomas.....	4-25 '07	American.....	.....	21	Motor helper	Riding on water car ..	Left shoulder hurt.
300	H. & S. Co. No. 5....	Abe Sevtres.....	5-27 '07	American.....	10 yrs.	30	Miner.....	Fall of coal.....	Internal injuries.
301	Sunday Ok. No. 101..	Albert McSurley....	5- 2 '07	American.....	4 yrs.	18	Driver.....	Struck by fore foot of mule.....	Leg fractured.
302	Banner No. 1.....	Amenzio Faloney....	5- 8 '07	Italian.....	1 yr.	30	Miner.....	Fall of slate.....	Frac. of leg and left thigh.
303	Lamont No. 3.....	A. L. Stover.....	5-17 '07	American.....	.....	30	Loading Contrac't	Fall of slate.....	Body bruised.
304	Winifrede North.....	Will Carter.....	6-18 '07	American.....	3 yrs.	17	Driver.....	Thrown from mule (out side)	Arm broken.
305	Winifrede West.....	John Edleman.....	6-18 '07	American.....	2 yrs.	16	Spragger.....	Mine cars.....	Calf of leg mashed.
<i>Mason County.</i>									
306	Linden.....	Mark P. Roush.....	6-13 '07	American.....	6 yrs.	23	Miner.....	Fall of slate.....	Back and ear injured.
307	Camden.....	Dan Harrison.....	6-28 '07	American.....	14 yrs.	26	Rock miner.....	Premature explosion..	Arm, face and eye injured.
308	Camden.....	William Knapp.....	6-28 '07	American.....	4 mos.	24	Laborer.....	Premature explosion..	Face injured.
309	Hartford.....	George Burriess.....	6-29 '07	American.....	15 yrs.	45	Miner.....	Premature explosion..	Left leg broken.
<i>Nicholas County.</i>									
310	Raven.....	Miles Morris.....	3-20 '07	American.....	.....	32	Miner. . .	Fall of slate.....	Dislocated vertebra.
<i>Raleigh County.</i>									
311	Beckley.....	Alonzo Parlson.....	12-10 '06	American.....	2 mos.	16	Laborer.....	Fall of slate.....	Ankle broken.
312	Wright No. 1.....	James Gill.....	1-11 '07	American.....	15 yrs.	30	Miner.....	Premature explosion..	Face and eyes burned.
313	Wright No. 1.....	Walter Gill.....	1-11 '07	American.....	10 yrs.	25	Miner.....	Premature explosion..	Hand lacerated, face burned.
314	Wright No. 1.....	Solomon Shanklin..	5- 9 '07	Negro.....	.....	25	Driver.....	Mine car.....	Bones in leg broken, back burned.
<i>Logan County.</i>									
315	Yuma.....	Wm. L. Stevens.....	2-16 '07	American.....	.....	35	Mineforeman	Blown out shot.....	Hands and face burned.
316	Yuma.....	Julius Benjtsen.....	2-16 '07	Swede.....	.....	25	Laborer.....	Blown out shot.....	Hands and body burned.
<i>Mingo County.</i>									
317	Grapevine.....	Nicola Russo.....	7- 5 '06	Italian.....	14 mos.	20	Miner.....	Fall of slate.....	Fracture of bones left ankle, side and back bruised.
318	Lynn.....	Robert Smith.....	10-15 '06	Negro.....	2 yrs.	30	Driver.....	Fall of slate.....	Leg broken.
319	Lick Fork.....	Ladislav Barati.....	10-20 '06	Hungar'n.....	.....	42	Miner.....	Flying coal from shot..	Spine and pelvis injured.
320	Thacker No. 2.....	Hi Willis.....	2- 6 '07	American.....	4 yrs.	17	Brakeman.....	Mine cars.....	Fracture of rib, foot mashed.
321	War Eagle.....	G. Blankenship.....	3- 6 '07	American.....	3 yrs.	20	Miner.....	Fall of slate.....	Jaw broken.
322	Grapevine.....	Henry Frith.....	5-30 '07	American.....	10 yrs.	28	Miner.....	Fall of slate.....	Oollar bone fractured, hand mashed.
<i>McDowell County.</i>									
323	Dixon Poca Shaft...	Landon Whiteside..	7-19 '06	Negro.....	.....	24	Laborer.....	Decending shaft torch ignited gas.....	Hands and face burned.
324	Algoma.....	Leonard McKinney..	7-31 '06	American.....	2 yrs.	17	Miner.....	Fall of slate.....	Laceration of hips.
325	Turkey Gap.....	Frank Thompson...	8- 1 '06	Negro.....	3 yrs.	16	Spragger.....	Mine cars.....	Compound fracture of leg.
326	Elkhorn.....	John Greer.....	8- 8 '06	American.....	.....	25	Mach. helper	Mining machine.....	Leg broken.
327	Algoma.....	Sam Lester.....	8- 9 '06	American.....	.....	14	Oiler.....	Piece of timber(outside)	Leg bruised.
328	Bottom Creek.....	Mike Macur.....	8-10 '06	Russian.....	18 mos.	28	Miner.....	Fall of slate.....	Back and side bruised.
329	Pulaski.....	Robt Liddle.....	8-11 '06	American.....	1 yr.	15	Switchtender	Fell off motor.....	Right arm broken.
330	Middle States.....	L. D. Conner.....	8-16 '06	American.....	5 yrs.	19	Brakeman...	Mine cars.....	Rupture of urethra.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH. 1907.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience	Age	Occupation	Nature of Accident.	Injuries Sustained.
331 McDowell Co. Cont'd								
332 Middle States.....	W. B. Belcher.....	8-22 '06	American	15 days	21	Mach. helper	Mining machine.....	Leg broken.
333 Middle States..	Tony Archie.....	9- 1 '06	Italian..	.....	30	Shot firer	Premature explosion...	Eyes injured by flying coal.
334 Cambridg.....	Martin Wellman...	9- 4 '06	American	.....	22	Driver.....	Mine cars	Arm broken.
335 Pulaski.....	Dave Jones.....	9-10 '06	Negro....	1 year.	25	Laborer (Outside)	Railroad cars.....	Compound frac. left thigh.
336 Pulaski.....	Dexter Stone.....	10-13 '06	American	8 mos.	20	Slateman....	Fall of slate.....	Fracture left ankle.
337 Pulaski.....	Andrew Gee.....	10-13 '06	Negro....	6 mos.	20	Driver.....	Mine car and trap door.	Fracture left arm.
338 Ashland	George Patrick.....	10-19 '06	Hungar'n	2 yrs.	19	Miner.....	Fall of slate.....	Fracture sternum & clavicle.
	Leonard Gilbert....	10-27 '06	American	1 year.	16	Brakeman,...	Mine car and rib.....	Concussion of brain, back bruised.
339 Algoma.....	Walter George.....	11- 1 '06	Negro....	.....	21	Tippelman...	Coaling engine. train started.....	One bone broken in leg.
340 Blackstone No 1....	Amato Rosario.....	11- 5 '06	Italian...	.....	24	Miner.....	Powder explosion.....	Face, arms, back and legs burned.
341 McDowell.....	Zaccoli Francesco...	11-12 '06	Italian...	6 wks.	30	Miner.....	Fall of coal.....	Compound fracture ankle.
342 Bottom Creek.....	Ples Kwell.....	11-19 '06	Negro....	.....	30	Miner.....	Fall of slate.....	Potts fracture left leg.
343 Pulaski	Tony Leonette.....	11-23 '06	Italian...	8 mos.	20	Miner.....	Fall of coal.....	Fracture left leg.
344 Pulaski	Robt Webster.....	11-28 '06	American	2 mos.	15	Laborer.....	Mine car (inside).....	Lacerated right foot.
345 Shawnee,	Munsey A. Sexton..	12- 1 '06	American	.....	27	.....	Fall of slate.....	Fracture of right leg.
346 Pulaski	Nick Harush.....	12- 3 '06	Italian...	3 mos.	26	Laborer.....	Dynamite explosion...	Left eye and arm injured.
347 Algoma.....	Paul Manky.....	12- 3 '06	Hungar'n	se. yrs.	35	Miner.....	Fall of slate.....	Fracture of left eye.
348 Keystone.....	Dan Washington...	12- 6 '06	Negro....	.....	30	Miner.....	Powder explosion.	Legs and hands burned.
349 McDowell.....	Wm. Reddix.....	12- 8 '06	Negro....	se. yrs.	17	Driver.....	Mine cars.....	Sprained ankle.
350 Keystone.....	Peter Percy Yglesias	12-10 '06	Japanese.	3 yrs.	29	Miner.....	Fall of coal.....	Crushed through hips.
351 McDowell.....	John Bradley.....	12-11 '06	Negro....	2 mos.	20	Miner.....	Fall of slate.....	Eye cut, sprained ankle.
352 Page O. Co. No. 1...	Giles Lumzie.....	12-11 '06	Negro....	.....	30	Miner.....	Fall of slate.....	Arm broken.
353 Pulaski.....	William Smith.....	12-12 '06	Negro....	8 yrs.	34	Miner.....	Fall of slate.....	Right leg broken, ribs broken
354 Empire.....	Wm. Branch.....	12-14 '06	Negro....	5 yrs.	30	Miner.....	Fall of slate.....	Hips bruised.
355 Pulaski.....	Felix Hodnett.....	12-14 '06	Negro....	12 yrs.	27	Laborer.....	Explosion of 400 kegs of powder (outside)	Hands, face, chest and arms burned.
356	Tyler Halrston	12-14 '06	Negro....	3 yrs.	24	Laborer.....	do	Hands, face and chest burned
357	George Bland.....	12-14 '06	Negro....	4 yrs.	22	Laborer.....	do	Face and arms burned.
358	Oscar Cowan.....	12-14 '06	American	1 year.	26	Laborer.....	do	Face, arms, hands and back burned.
359 Berwind No. 1.....	Steve Judy.....	12-16 '06	Hungar'n	2 yrs.	38	Slateman....	Explosion of dynamite.	Face and hands lacerated & eyes injured.
360 Lynchburg	Jno. S. Hoston.....	12-17 '06	Negro....	7 yrs.	24	Driver.....	Fall of slate.....	Back hurt.
361 U. S. No. 7.....	Toney Lapinski.....	12-18 '06	Polish	2 yrs.	30	Miner.....	Fall of slate.....	Left leg broken.

362 Bottom Creek.	Frank Poltyn	12-21 '06	Polish	24 Miner	Fall of slate	Toes mashed.
363 Peerless	Domnick Mintie	12-21 '06	Italian	30 Miner	Fall of coal.	Jaw broke, ear cut off, breast mashed
364 McDowell	Arthur Hamilton	12-25 '06	American	25 Boss Driver	Mine car and top coal.	Back injured
365 Crozer No 1.	Jack Gocia.	1-2 '07	Italian	40 Miner	Powder explosion..	Face and arms burned.
366 Dixon-Peachontas	Geo. Patrosky ..	1-3 '07	Polish	22 Shaft Sinker	Material fell down shaft	Mashed too frac. shoulder.
367 Keystone	John W. Wilkins ..	1-7 '07	Negro	21 Driver	Mine cars	Leg broken.
368 Peerless	Loney Waller	1-8 '07	Negro	20 Driver	Mine car and roof.....	Head and body mashed.
369 Belts	James Calender.	1-9 '07	Negro	21 Brakeman	Fell under motor..	below knee
370 Peerless	John Walker	1-10 '07	Negro	23 Mach Runner	Fall of slate.....	causing ampu'n.
371 McDowell	Jeff Willis	1-12 '07	Negro	35 Miner	Fall of slate.....	id. body bruised.
372 Pulaski.	Jas L. Marshall....	1-21 '07	Negro	19 Driver	Mine cars	id. fractured right tibia.
373 Bottom Creek.	A. B. Freeman	1-23 '07	Polish	23 Miner	Fall of slate.....	Fractured rib, contused back
374 Pulaski	Rosa Sniary	1-24 '07	Italian	28 Miner	Fall of coal.....	Arm, elbow and shoulder bruised.
375 Keystone	Henry Greenwood	1-25 '07	Negro	28 Laborer	Mine cars	Contused knee.
376 Empire	Jack Weatherford	1-25 '07	Negro	50 Miner	Premature explosion of dynamite	Loss of both eyes, laceration of face, arms and shoulders.
377 Turkey Gap ..	Ed. Washington	1-28 '07	Negro	14 Spraggor	Mine cars	Collar bone broken
378 Bottom Creek	John Telsic	1-29 '07	Polish	50 Miner	Fall of coal	Broken pelvis, collar bone broken
379 Turkey Gap	Wash Belits	1-31 '07	Russian	28 Miner	Explosion of cartridge..	Face, arms, hands and legs burned.
380 Elk Ridge	James Draper	2-5 '07	Negro	35 Miner	Mine car and coal....	Leg broken above knee
381 Pulaski.	Atley Stone	2-7 '07	American	18 Laborer	Mine cars	Great toe mashed.
382 Tidewater.	Jesse Penn	2-8 '07	Negro	22 Slateman	Fall of slate	Right leg broken above ankle
383 Bottom Creek.	Frank Fisher	2-14 '07	German	40 Miner	Powder exp (outsidel).	Body burned.
384 Bottom Creek.	John Podtiski	2-14 '07	German	22 Miner	Powder exp (outsidel).	Body burned.
385 Arlington	M. Fowler	2-18 '07	American	45 Trackman.....	Mine cars	Shoulder, side & foot mashed
386 Crozer No 2.	Earle Tambo	2-18 '07	Hungar'n	30 Miner	Fall of slate	Rib broke, head bruised.
387 Crozer No 2.	Ervin Tambo	2-18 '07	Hungar'n	17 Miner	Fall of slate	Ankle broken
388 Tidewater	Robert Hamlet.	2-19 '07	Negro	25 Laborer	Caught bet car and coal	Bruised left shoulder, ribs dislocated
389 McDowell	E. M. Conner	2-21 '07	American	35 Miner	Fall of slate	Contused back and hip.
390 Tidewater	Richard Brown...	2-21 '07	Negro	40 Miner	Fall of slate	Heel and foot bruised.
391 Tidewater	Wm. Quarles	2-22 '07	Negro	38 Miner	Mine cars	Broken leg
392 Tidewater	Harry Campbell ..	2-22 '07	American	30 Laborer	Railroad cars	Hand crushed, two fingers amputated
393 Powhatan	Jack Ossacks	2-22 '07	Greek	20 Miner	Fall of coal.....	Ankle bruised.
394 Page	John Roman	2-22 '07	Hungar'n	26 Miner	Mine car and coal.	Legs and hips bruised
395 Pulaski.	Frank Preola	3-4 '07	Italian	18 Miner	Fall of coal	Left ankle sprained
396 McDowell	Roht Taylor	3-8 '07	Negro	26 Miner	Powder explosion.	Hands, arms & face burned.
397 Empire	J. A. Wright	3-11 '07	Negro	28 Miner	Fall of slate	Potts fracture left leg.
398 Turkey Gap ..	Oscar Blashook ..	3-27 '07	Russian	25 Miner	Fall of coal.....	Scalp wounds, side and back bruised.
399 Pulaski	Robt Preston	4-1 '07	Negro	14 Trapper	Mine cars	Foot and hip mashed.

NON-FATAL ACCIDENTS FOR THE YEAR ENDING JUNE 30TH, 1907.

NAME OF MINE.	Name of Person Injured.	Date of Accident.	Nationality.	Length of Experience.	Age.	Occupation.	Nature of Accident.	Injures Sustained.
<i>McDowell Co. Cont'd</i>								
400 Elk Ridge.....	Bud Hosten.....	4-5 '07	Negro.....	6 mos.	20	Laborer.....	Fall of slate.....	Broken leg.
401 Pulaski.....	Frank Sproles.....	4-9 '07	American.....	2 yrs.	24	Laborer.....	Mine cars.....	Eye injured, contusion of back.
402 Pulaski.....	W. H. Linkenhoker.....	4-12 '07	American.....	3 mos.	25	Miner.....	Mine cars.....	Foot crushed.
403 Algoma.....	Richard James.....	4-17 '07	Negro.....		26	Driver.....	Mine cars.....	Fracture of left thigh.
404 Louisville.....	Ed Buchanan.....	4-22 '07	American.....	18 yrs	37	Mine Boss.....	Dynamite shot.....	Head, eye and nose injured.
405 Bottom Creek.....	John Rippy.....	4-24 '07	Negro.....	50 yrs	35	Miner.....	Blown out shot.....	Face and hands burned.
406 Hemphill.....	J. W. Smith.....	4-24 '07	American.....	26 yrs.	43	Miner.....	Explosion of powder.....	Hands, face, neck and chest burned.
407 Jed.....	Tony Zeval.....	5-1 '07	Italian.....		34	Laborer.....	Fall of rock.....	Shoulder, side and thigh bruised.
408 Pulaski.....	Joe Olla.....	5-3 '07	Hungar'n.....	2 yrs.	48	Laborer.....	Fall of slate.....	Contusion of left thigh.
409 Zenith.....	J. P. Pennington.....	5-8 '07	American.....	2 yrs.	40	Miner.....	Mine car.....	Fracture of ribs, contusion of side.
410 Imo.....	Taylor Dugger.....	5-10 '07	American.....		22	Miner.....	Fall of slate.....	No injury.
411 Emplre.....	Geo. Peet.....	5-24 '07	Negro.....	6 yrs.	20	Trackman.....	Fall of slate.....	Fracture of left leg.
412 Elkhorn.....	B n Rotch.....	5-28 '07	Hungar'n.....	3 yrs.	24	Slateman.....	Fall of slate.....	Scalp cut, leg bruised.
413 Elkhorn.....	Waltman Huff.....	5-29 '07	Negro.....	2 yrs.	20	Driver.....	Mine car and coal.....	Body and hips bruised.
414 Crozer No. 1.....	Melvin Tate.....	6-1 '07	American.....	1 yr.	15	Trapper.....	Fall of slate.....	Ankle sprained.
415 Banner No. 1.....	Charles White.....	6-3 '07	American.....	16 yrs	31	Mach. runner.....	Fall of slate.....	Fracture left leg.
416 Berwind No. 1.....	James Blue.....	6-5 '07	Negro.....	4 yrs.	21	Mach. helper.....	Mining machine.....	Bone of left leg broken.
417 Antler.....	Alexander Bradshaw.....	6-10 '07	American.....	3 yrs.	22	Loader.....	Keg of powder rolled down incline.....	
418 Elkhorn.....	Wheeler Robinson.....	6-10 '07	Negro.....	6 yrs.	20	Driver.....	Fall of slate.....	Broken leg.
419 Elkhorn.....	John Furto.....	6-12 '07	Hungar'n.....		35	Slateman.....	Fall of slate.....	Leg broken above knee.
420 Houston No. 1.....	Nathan Moseley.....	6-19 '07	Negro.....	12 yrs.	40	Miner.....	Fall of slate.....	Leg broken below knee.
421 Imo.....	Robt. McCray.....	6-20 '07	Negro.....		32	Miner.....	Mine car and top coal.....	Scalp wound.
422 Pulaski.....	John Alley.....	6-24 '07	American.....	2 yrs.	32	Laborer.....	Sprocket wheel & chain.....	Slightly.
423 Imo.....	S. S. Harris.....	6-25 '07	American.....		39	Mine Boss.....	Mine cars.....	Fracture right arm.
424	T. C. Orutchfield.....	6-25 '07	American.....		30	Miner.....	Mine car.....	Broken nose, broken wrist.
425 Tidewater.....	David Snead.....	6-25 '07	American.....	2 yrs.	30	Miner.....	Fall of coal.....	Broken rib.
426 Monitor.....	Frank Stansletto.....	6-27 '07	Italian.....	1 yr.	18	Miner.....	Blow out shot ignited keg of powder.....	Potts fracture left leg.
427 Berwind No. 2.....	Antonio Cereña.....	6-28 '07	Italian.....		35	Slateman.....	Premature shot.....	Breast, back & face burned.
428 Bottom Creek.....	H. M. Bratcher.....	6-29 '07	Negro.....	1 mo.	26	Miner.....	Mine car.....	Right hand blown off. (chest bruised.)
<i>Merritt County.</i>								
429 Pinnacle.....	Henry F. Hawkes.....	7-23 '06	American.....	6 mos.	29	Miner.....	Fall of slate.....	Fracture of thigh.
430 Ruckeye.....	Arthur Hodgson.....	9-6 '06	American.....	10 yrs.	22	Driver.....	Mine car and coal.....	Heel cut off.
431 Coaldale.....	Sanders Hairston.....	9-10 '06	Negro.....	10 yrs.	30	Miner.....	Fall of slate.....	Fracture of bone in leg.

432	Mill Creek..	Samuel H. Adams..	9-12 '06	Negro.....	4 yrs...	24	Driver.....	Mine cars.....	Fracture of bones in right leg.
433	Thomas.....	John Lambert.	11-20 '06	Negro.....	10 days	21	Miner.....	Experimenting with powder.....	Face and hands burned.
434	Thomas.....	Spencer Graves.....	11-20 '06	Negro.....	10 days	22	Miner.....	Experimenting with powder.....	Face and hands burned.
435	Coaldale.....	Lindsay Reynolds..	12-12 '06	Negro.....	3 yrs...	16	Car Coupler..	Mine cars.....	Finger of hand lacerated.
436	Pinnacle.,	Nicholas Havino.....	1-5 '07	Italian.....	20 mos.	23	Laborer.....	Mine car (outside).....	Fracture left leg.
437	Grane Creek No. 2....	Peter Bowman.....	1-7 '07	American...	7 yrs...	60	Miner.....	Fall of slate.....	Ankle sprained & hip bruised
438	Mill Creek.....	J. Henry Byrd	1-16 '07	American...	2 mos.	19	Trackman....	Fall of coal.....	Scalp wound, face cut.
439	Pinnacle.....	Rudolph Stube.....	2-4 '07	German ..	4 mos..	35	Miner.....	Fall of slate	Leg bruised, chest and back injured.
440	Mill Creek.....	Luther Lester.....	2-7 '07	American...	6 mos.	28	Brakeman....	Mine cars.....	Right thigh fractured.
441	Grane Creek.....	Frank Karad.....	3-18 '07	German ..	2 yrs...	38	Miner.....	Fall of slate.....	Foot mashed.
442	Grane Creek..	H. D. Eines.....	4-16 '07	American...	se yrs.	20	Miner.....	Mine car and rib.....	Dislocated hip.
443	Booth-Bowen..	Laundon Hale.....	4-25 '07	American...	18 yrs.	46	Miner.....	Fall of slate.....	Head lacerated, skull frac.
444	Pawama.....	Saby Cammorelli....	4-30 '07	Italian....	1 year	13	Trapper.....	Mine car (outside).....	Foot cut from ankle to toe.
445	Buckeye.....	Geo. S. Brown.....	5-9 '07	American...	6 yrs...	26	Miner.....	Fall of slate.....	Arm broken, leg fractured.
446	Pinnacle.....	J. Elliott Tilley....	5-21 '07	American...	se yrs.	24	Miner.....	Fall of slate.....	Back and hips bruised.
447	Louisville	Robert Kirk.....	6-4 '07	American...	.....	19	Miner.....	Fall of coal.....	Leg bruised.
448	Goodwill.....	Robert Windbust....	6-20 '07	Negro.....	4 yrs...	28	Miner.....	Fall of slate	Left foot crushed.

FATAL ACCIDENTS.

For the Year Ending June 30, 1907.

BROOKE COUNTY.

July 27, 1906. Steve Orost, Beech Bottom No. 1 Mine, was struck by a fall of coal while in a stooping position and killed. Fall was 4 to 6 inches thick over an area of 8 square feet.

MARION COUNTY.

July 17, 1906. John Sztaskovic, Montana Mine, was killed by coming in contact with an electric wire as he was going in the mines to his work.

July 26, 1906. Simon Shultz, Monongah Mine No. 5. He had finished a place and had taken his turn out and had taken one cut out of a new place, but went back to the one he had left to take some coal off of the stump, and in doing so he took the support from under the rock, causing it to fall which resulted in instant death.

September 20, 1906. Salvatore Marra, Gaston Mine, while riding in a car to his work in the mines attempted to get out. In rising from a sitting position he struck his head or neck against the trolley wire, receiving a severe shock from which he never recovered, dying some twenty minutes later.

October 19, 1906. Sandor Reeves, Hutchinson Mine. He was coming up the heading with two loaded cars. It is supposed he was standing on the head end of the car opposite the brake. In some manner he was caught between the car and rib and crushed to death.

October 19, 1906. died November 2, 1906. Robert Dunn, Federal Shaft Mine, was calking six inch air line at flange joint when the pipe pulled out of the flange the air pressure struck him in the face which penetrated lungs and tissues. Was sent to the hospital where he died.

November 3, 1906. Lark Hawkinberry, Federal Shaft Mine, was ascending on cage with six other men and by some unexplained cause fell from cage to bottom of shaft, killing him instantly.

November 8, 1906. John Urah, Anderson Mine, while assisting Geo. Garlock to load his car, stooped down to clean some coal from under the car wheels when 1000 pounds of slate fell on Urah, killing him instantly.

November 9, 1906. Andrew Fikan, Monongah No. 6 Mine, had been engaged in cleaning up a little fall of slate but left in order to get a pick. When coming back a fall of slate came, catching him under full weight of same.

November 13, 1906. Martin L. Summers and Chas. Drake, King Mine, both being drivers, were bringing out 26 loaded mine cars when they lost control of the cars. The cars jumped the tract at the bottom of heading and caught Summers between rib and car, causing instant death.

December 24, 1906. W. T. Croy, New England Mine, was delivering five barrels of cement to Gaston Mine. There is a slight grade in road

at point where accident occurred and in some manner he fell off seat of wagon in front of wheels and was run over by same and killed instantly.

April 26, 1907. Thomas McCauley, Middleton Mine, with Mike Katwaski, his partner, was working on pillar No. 2 which had been drawn nearly to the heading stump. They were taking off the last piece. The stump being about 5 by 8 ft. and was mined through all but about 3 ft. on end next to track and a small piece under the loose end left for a sprag. McCauley told his partner to cut this sprag out which he refused to do, saying it was not safe to take it out, but they would shoot it out. McCauley insisted the sprag be mined out and took his pick and went to work at it himself. His partner got him away but he returned and worked at it again and had only struck a few times when about half of the stump fell on him, killing him instantly.

May 3, 1907. Alonzo Harr, New England Mine. Motor was backing a trip of 26 cars, 15 of them loaded with slate. The 15 loads and 2 empties became detached from motor trip and started down grade towards No. 5 side track. Harr was sitting on the rear car, evidently rode the trip about 800 feet before attempting to get off and in so doing was so badly injured that he died in about two hours after arriving at the hospital.

June 1, 1907. Tony Matza, Hutchinson Mine, and his brother were working on No. 1 pillar off 10th right. They had fired a shot sometime in the morning leaving some draw slate along the right rib. While Tony was shoveling under this slate it gave way without warning and fell directly on him, killing him instantly.

June 14, 1907. Charles M. Roy, Chatham Shaft Mine, while sitting in the mine a pot of slate weighing about one ton fell upon him, fracturing his spinal column.

MONONGALIA COUNTY.

March 23, 1907, died April 5, 1907. Vincenese Calio, Elkins No. 5 Mine, with two others undertook to coast a loaded railroad car down the grade when the car reached the safety switch they all jumped off. Calio either jumped or fell off on the track in front of the car which passed over him resulting in injuries from which he died.

MARSHALL COUNTY.

October 11, 1906. Andy Felock, Henderson Mine, was working in No. 5 room, 17th right heading. Draw slate was all down. Had cleaned his room nicely and was in the act of loading his car when a roll of slate dropped on him, causing death in about three and one-half hours afterwards.

December 17, 1906. Andy Oreb, Glendale Shaft Mine, had just fired a shot and commenced loading the coal before taking down the stone that had been made loose by the shot, when the stone fell on him.

January 24, 1907, died January 26, 1907. John Nimic, Hitchman Mine.

was coming out of the mine after the day's work was finished. Instead of going by the man-way, attempted to come up the empty track and was caught by a trip of empty cars.

February 1, 1907. Michael Rednack, Glendale Shaft Mine, was just finishing last car. Had neglected to remove piece of stone which was hanging on side of his room. As he stepped under for a shovel of coal it let go, falling on him.

May 13, 1907. Oliver Ushman, Benwood Mine, was just finishing loading a car of coal, having neglected to set a prop to secure safety the roof fell and killed him instantly.

OHIO COUNTY.

April 29, 1907. Valentine Marcinieck, Elm Grove Shaft Mine, came in contact with a live electric wire in the mine and was instantly killed.

May 30, 1907. Frank August, Richland Mine, was at work in the mine when a fall of slate came on him.

HARRISON COUNTY.

October 24, 1906. Andrea Fizena, Perry Mine, was going home from work, riding on the front end of loaded trip. For some unknown reason he attempted to get off on the wrong side and was caught between the car and rib.

November 2, 1906. Petro Cabro, Two Lick Mine, was killed by a fall of coal. It seems as though a shot had made a large crack behind the projecting coal while splitting the stump and after mining a short time the projecting coal fell.

January 4, 1907. Mike Svdrba, Enterprise Mine, was ordered to take down and clean up some slate. He found a large piece of slate hanging loose supported by one prop, thinking it would not fall took his shovel and commenced cleaning the track under this piece of slate. When all at once the slate broke loose, the corner striking him on the head.

January 28, 1907. Antony Pasqualla, Girard No. 2 Mine, was getting up into coal chute outside for some unknown reason when the coal was dumped into the chute causing him to be carried through into the car that was being loaded. He was so badly mashed that he died instantly.

February 11, 1907. Tony Secreto, Gypsy Mine, was engaged in loading coal when a fall came knocking down a prop, the prop striking him on the head knocking him down and the edge of the fall of coal and slate struck him across the back.

April 2, 1907, died April 15, 1907. Slavatore Pulie, Riverdale Mine, was loading his car. He became afraid of the roof so took his pick to sound it and as soon as he struck the roof it came loose catching him under it, injuring his back so seriously that he died at the Miners Hospital about two weeks later.

May 2, 1907. Orie Morris, Enterprise Mine, was loading a car when about half done a pot of slate, weighing about a ton, dropped on him. One or two props would have made the place safe and they were on hand but he neglected to use them.

June 5, 1907, died July 6, 1907. James Marino, Solon Mine, was loading a car of coal when a piece of slate fell on him, causing internal injuries from the effects of which he died at the Miners Hospital.

TAYLOR COUNTY.

July 3, 1906. John Suprie, Sandlick Mine, was mining and had a loose end of breast coal which fell on him. He had been warned by his partner that the coal was not safe.

UPSHUR COUNTY.

January 26, 1907. Glenn Miles, H. H. Fox, Asbury Bailey, Bruce Johnson, Charles Boserman, Tony Ritchie, Nedz Caprit, Joe Caprit, Nedz Lester, Louis Nespech, Joe Alluni and Dominich Pochick, Penco Mine, were killed by an explosion of powder. A detailed description of this accident will be found in the appendix to this report.

MINERAL COUNTY.

August 23, 1906, died August 26, 1906. Richard L. Hubbs, Gleason Mine, was shifting railroad car and the brake stick broke, causing him to fall between the cars and he was caught by the draw heads.

PRESTON COUNTY.

September 27, 1906. William McCorkle, Atlantic Mine, was assisting to replace a machine truck that had run away and jumped off the track at the mouth of No. 3 room, and was caught by a fall of slate.

January 23, 1907, died October 28, 1907. Pierce R. Collins, Shrader Mine, had his back broken by a fall of coal, from the effects of which he afterwards died.

January 31, 1907. Charles Pacilly, Irona No. 2 Mine, was riding on the front end of a loaded car, lost his hold on the car and fell in front of same. As he was a driver his position should have been on the rear end of the car.

April 18, 1907. Joseph Barberia, Bretz No. 2 Mine, was working with three other men shoveling back pulverized coal in a bin when he fell into the coal and was suffocated before he could be taken out.

RANDOLPH COUNTY.

October 27, 1906. Santos Crisifola, Coalton or No. 1 Mine, was climbing between two mine cars and came in contact with the trolley wire which had a current of 550 volts. Death was practically instantaneous.

May 25, 1907. Augusto Ambrosini, Weaver No. 2 Mine, after making a shot in the top coal which did nothing but loosen same instead of taking down the binder which he should have done, commenced working under it when without warning it gave way and fell on him.

TUCKER COUNTY.

February 4, 1907. Oscar Allen, Jack Stucine, Frank Beziac, Frank Shovitch, Joe Beziac, Paul Kerock, Tom Pglowicz, Joseph Arcari, Adam Bermuda, Constatine Karolis, John Sabowsky, Frank Polowicz, John Serpone, Ernest Bennomento, Harry Lastroppo, Frank Ferrin, Ralph Dandrea, Patsy Doneglas, Sullivan Liberatori, John Scarponi, Tom Scarponi, Vincent Bottice, Chas. Panepinto, Felix Julian and Daniel R. Jones, Thomas No. 25 Mine were killed by an explosion of gas. A detailed description of this accident will be found in the appendix to this report.

March 5, 1907. William Belchumis, Thomas No. 25 Mine, was loading a mine car when a piece of slate fell, striking him, causing injuries from which he died.

FAYETTE COUNTY.

July 9, 1906. John Tucker, Echo Mine, was drawing a pillar when a fall of slate came. He should have examined the roof, if he had he would have seen that the slate was loose.

July 12, 1906. Napoleon Minnis, Fire Creek Mine, was riding a trip of mine cars from the mine to the tippie and got on top of the loaded cars and walked to the front end of trip. Just as the cars were nearly stopped he jumped in front of them, stumbled and fell on the track. Two of the cars ran over him.

July 13, 1906. Joe Sparti, Boomer No. 2 North Mine, was at work in his room when a fall of slate came striking him on the head.

July 31, 1906. Noe Pietro, Buffalo Mine, in attempting to get on a moving train while passing some timbers which were near the train he was thrown down and several of the cars passed over his body.

August 6, 1906. Chas. Gurrant, Elverton Mine, was drawing entry stump when slate, which was hanging from the entry rib partially over the entry, fell on him, killing him instantly. His attention had been previously called to this slate.

August 8, 1906. Ed Layton, Edgewater No. 2 Mine, went to see what was wrong with a mine car that got away and jumped the track, and while leaning over the car slate fell and killed him.

August 8, 1906. John Huffman, Echo Mine, was drawing entry stumps when slate fell on him. He commenced to work without making an examination of the place.

August 13, 1906. Henry Springer, Boomer No. 2 North Mine, was at work in his room when a large piece of slate fell and killed him. He was found dead by the driver who went to get his loaded car.

September 8, 1906. Ambus Green, Chapman or Elverton Mine, worked with Ike Camper. Having fired a shot they were standing in neck of room where Jake Long worked. A car just delivered to Long was left standing on entry. He asked the deceased to assist him in switching this car. Both men took hold of the rear end of car and were pushing it along when Green came in contact with the machine wires strung along the rib by placing his hand on the wires instead of the rib. Long tried

to pull him away but could not hold to him, he then pushed him away from the wire with a post. Duration of contact about a half minute. The wire contained about 250 volts. He lived 5 or 10 minutes.

September 11, 1906. James Sezzie, Kilsyth Mine, was an inexperienced miner and while working alone making a cut a large lump of coal fell on him.

September 13, 1906. James Corn, Kilsyth Mine, was working with Richard Minor. They had finished loading a car at a break-through. Minor went to the face of the room to work leaving Corn to break up a lump of coal. Was away about five minutes when he returned and found Corn lying on his back dead. Supposedly died from heart disease as there were no external injuries.

October 5, 1906. W. W. Thomas, Meadow Fork Mine, was secretary of the Meadow Fork Coal Company, and was standing on the tippie. In letting cars over the knuckle at the top of the incline a link broke in the chain that is attached to the rope allowing the cars to run away down the incline. In the breaking up of the cars one of the pieces struck him.

October 10, 1906. Joseph Ollie, Minden No. 5 Mine, was working in No. 22 room on the 4th left. Had put wooden wedges over the slate to take it down, but they did not prove sufficient to bring it down, so he went to work again without securing the slate with timber. In digging out the coal that was supporting this slate, caused it to fall without warning on him.

October 29, 1906. Charles Zierto, Minden No. 2 Mine, worked in middle drift. Place was in first class condition. He had mined 14 feet across the face, shot the center out and had loaded out the coal and commenced to mine below the draw slate which fell on him.

November 23, 1906. Cologero Romano, Ansted Mine, in removing a short post in the mine preparatory to shooting up breast slate which caused the slate to fall on him.

November 24, 1906. Noah Johnson, Eureka Mine No. 13, was tightening rope on hoist engine, when the engine started and the edge of the drum or cross head knocked him down, splitting his skull.

December 7, 1906. Fred Douglas, Oakwood Mine, was coming out of a low room sitting on top of a loaded car and come in contact with a low place which crushed him between the car and the roof of the mine.

December 17, 1906. August Rick, Prudence Mine, was drawing pillars and was caught under a fall of slate weighing about a 1000 pounds.

December 18, 1906. Conlo Cartucci, Kisyth Mine, was making an undercut in the coal and was lying on his left side. The top coal fell on him crushing him.

December 20, 1906. Moses Jordan, Prudence Mine, was driving a mule in a room when a piece of slate fell on the mule. In his attempt to pass the mule a second piece of slate fell on him.

January 21, 1907. Ellis Ferguson, Columbus Iron & Steel Co's. No. 1 Mine, was a coke laborer and while watering the ovens prior to pulling out the coke when he suddenly fell forward on his face. Was taken in.

to one of the shanties where he died in about forty five minutes. Death thought to be due to heart failure.

January 29, 1907. The following persons were killed by an explosion of gas and dust in the Stuart Shaft Mine, a detailed account of which accident will be found in the appendix to this report:

James Bradley,
Enos Banks,
Stephany Geurs,
Mike Kryskzka,
John Fey,
Samuel Wolfsteinholme,
John Atkinson,
Ralph Love,
John Minner,
Andrew Sosimck,
Otty Clendennin,
Norman Crouse,
Harry S. Colburn,
William Gordon,
T. S. Prather,
Giles Minner,
James Massey,
Charlie Smith,
C. A. Johnson,
Geo. Skaggs,
Stanley Sichnowsky,
Judson Carter,
Stanley Polaus,
Raleigh Ison,
William Narksok,
Hauley Barter,
Richard Lewis,
John Cowan,
Harry Loving,
James Klimak,
Cecil Crouse,
Michael Nydyszyn,
William Ison,
Walter Blake,
Thomas Harrigge,
Frank Loving,
Thomas Williams,
Earl Simpson,
James Bromer,
Rein Bendijson,
John Kwak,
Andrew Kwak,
George Dairs,

Shelton Mconey,
Richard Lee,
William Hawkins,
Henry Ross,
Alexander Turner,
Ballard Fitzpatrick,
Daird Fitz,
Isaih Fitz,
Thomas Estus,
Charlie Caul,
Robert McIntir,
Arthur Thomas,
Sovenz Crubin,
William Kosz,
Thomas Zuel,
Mike Donnell,
Wm. McQueen,
Lester Loving,
Frank Pulaski,
Frank Light,
Wm. P. Sears,
Stephen Sedovel,
J. T. O'Boyle,
Joe Baur,
Dallas Love,
Samuel Howlett,
Wm. Walkden,
Cyrus Dairs,
T. M. Toney,
Jessie Artaur,
W. J. Hamilton,
James Eckersley,
W. M. Cook,
Charlie Vergil,
John Morris,
Gay Bryant,
Wilson Boone,
John Kallier,
Charlie Coble,
Paul Jones,
Whit Bushnell,
Charlie Kwak,

February 11, 1907. Dink Harvey, MacDonald Mine, was robbing stump. Slate was broken over coal caused by side weight. In removing coal was caught on head by piece of slate weighing about 600 pounds, killing him instantly.

March 1, 1907. Ben F. Hudson, Mecca No. 5 Mine, was at work in the mine when the top coal fell striking him.

March 15, 1907. Emil Groman, Harvey No. 1 Mine, was working alone in his room. The driver found him beneath a large piece of slate which had fallen. The accident had evidently just occurred as the body was still warm.

March 18, 1907. Imbro Miksac, Ansted Mine, was working in the mine with his brother, who was an experienced miner, near the face in center of room when a piece of draw slate fell on him mashing him.

March 23, 1907. Spencer Ralley, Harvey Mine, was waiting at a trap door to let a trip of cars pass. He lay down on the track and evidently went to sleep. The trip came along and before being noticed by the driver was run over, one car passing over him before cars could be stopped.

April 1, 1907. Charles H. Johnson, Ballinger, No. 1 Mine, was drawing heading stump with a miner named Davis, who had warned him a few minutes before the accident not to go under the slate as it was dangerous, but disobeying instructions went under it and was caught by a piece of slate that fell from where they were working.

April 18, 1907. John Price, Minden No. 5 Mine, was at work in first right entry. Ralph Smith went to see if he had finished loading his car and not seeing any light or hearing any noise proceeded to the face of the room where he found Price beneath a fall of slate. He was still alive when found and every effort was made to revive him but without success.

May 1, 1907. Samuel Longsworth (or Longwool), Ras Wiley, Ed. Smith, Geo. Stamper (or Stumper), Charles Burgess, Rolly (Raleigh) Tucker, Robt. Armstrong, John Langton, James Farmouth (or Farnsworth), Hutson (Hat) Burgess, Arnold Kelly, Wm. Wilson, I. Ioiri (or Giovanni Ercole), John Thompson, Pherah Joseph (died May 4, 1907) and H. L. Milton (died May 13, 1907.) Whipple Shaft Mine, were killed by an explosion of gas and dust. A detailed description of this accident will be found in the appendix to this report.

May 3, 1907. Jake Bolinski, Minden No. 4 Mine, was killed by a fall of slate in room No. 23, 3rd left heading. Had he made an examination of his place he would have detected the danger and could have set a post under the slate, which weighed about 1200 pounds.

May 8, 1907. Wm. C. Johnson, Turkey Knob Mine, was dropping car down from tipple and it ran against another loaded car, knocking him off and under the wheels.

June 13, 1907. James Lee, Meadow Fork Mine, was going to or from an adjoining room in search of a hammer when a piece of slate fell on him.

KANAWHA COUNTY.

July 3, 1906. John Barker, Morris Creek Mine, was working in his room in the mine when a large piece of draw slate fell on him. Had been

previously warned about the danger by the mine foreman, the day before the accident, but neglected to secure the place.

July 8, 1906. John Vanhess, North Carbon Mine, in company with another man went into shoot place, lighting two holes, only one of which went off, he returned to place just as the second shot went off, killing him instantly.

July 9, 1906. Frank M. Hodge, Dry Branch Mine No. 2, was in the act of setting a post in room when a fall of slate came, striking him on the head. His son was with him when the accident occurred.

August 25, 1906. C. C. Meadows, Red Warrior Mine, was working at the face of room along with two or three other men when they heard the slate working, Meadows ran about 20 feet and was caught under the fall of slate and killed. Had he remained with the other men at the face he would not have been injured.

September 5, 1906, died October 2, 1906. Simon E. Toney, Butler Mine, had his back broken by a fall of slate from the effects of which he afterwards died.

September 12, 1906. H. H. Mullins, Shamrock Mine, in entering the room with his son after shooting the coal found the top loose on the right side but did not think it so dangerous but what they could load the car out before it would fall. It fell sooner than he expected and caught him under it.

October 26, 1906. Robert Scott, Red Warrior Mine, working as motor man was hauling a trip of loaded cars on main entry at a high speed when an automatic trap door failed to open which caused a wreckage of the trap door, was struck on the head with some of the wreckage, crushing his skull. After being carried a short distance on the motor he fell off and either the motor or mine cars ran over him.

December 6, 1906. Charles Brown, Imperial No. 3 Mine, was killed by a fall of slate in entry.

December 17, 1906. Wm. Thomas, Kayford Mine, was standing three or four hundred feet from his working place beside a car the driver was trying to replace on the track. The car struck a post which caused some slate to fall on Thomas, fracturing his spinal column from the effects of which he died the latter part of March, 1907.

January 12, 1907. Chas. A. Cheatham, West Virginia Mine No. 1, was working with J. H. Harris, a coal loader. The roof was examined about two hours before the accident by the mine boss, superintendent, Harris and Cheatham, and some bad slate was found. The superintendent told Harris the roof was bad and instructed him to set posts. One had been set when a "kettle bottom" they had not noticed before fell, catching Cheatham, causing instant death.

February 7, 1907. John M. Botts, Coalburg Mine, was a machine runner and in moving an electric chain machine into a room the bitts on front caught on mine post in making a turn, knocking it down causing a piece of slate to come down covering the man, the machine and the mule.

February 8, 1907. Love Jones, Monarch Mine, neglected to set some

posts which were ready for use and a large piece of draw slate fell, breaking his neck.

March 18, 1907, died March 21, 1907. Wellington Casebolt, Monarch Mine, while acting as motorman going in the mines, running very fast, collided with two empty cars standing on the main line causing the cars to pile up, catching and squeezing him.

April 8, 1907. Vernie Vanhooose, South Carbon Mine, was loading machine coal and had place about cleaned up, when about two inches of draw slate fell, killing him instantly. He had been instructed by the mine foreman before the accident to timber the room, and there were five posts in the room for the purpose.

April 19, 1907. Jacob Hubbard, West Virginia No. 1 Mine, was loading coal and died from internal bleeding caused by, or resulting from, straining an old gun shot wound.

May 17, 1907. Albert Perry, La Mont No. 3 Mine, was working with the contractor under heavy draw slate with posts set near the face, in middle of entry. The slate broke around the posts, falling and striking his head, killing him instantly.

May 27, 1907. Italian No. 14 (name not known), Holley & Stephenson No. 5 Mine, was making preparations to shoot down his coal when a piece of slate near the face fell on him, resulting in death.

May 29, 1907. Will McDowell, Black Band No. 1 Mine, while acting as driver hauling a loaded car from face of 2nd right heading to parting. Failing to show up in reasonable time search was made and he was found doubled up under front end of car. Lamp was found about 20 feet back, supposition is that his lamp was knocked off and in trying to stop or get off car while riding on the front end, lost his footing or fell off, knocked down and run over. He had a weak heart and it may be that he had a fainting spell and fell off.

June 4, 1907. Elmer Hayes, Lucas Ray Mine, while at work shoveling coal immediately after firing a shot a fall of slate came, breaking his neck.

June 25, 1907. Ernest Bias & Ellis Neal, Ruby Mine, were on the tippie eating lunch and talking to the weigh boss, Wm. Large. Large told Bias to see if the trip was ready. As he started Neal shouted "lookout," and just then one of the run-away cars struck Bias and Neal and carried them through the end of tippie to ground, killing them instantly. The chain used to ease the loaded cars over the knuckle at the top of the incline broke, causing the cars to come against the incline rope with a jerk which made the coupling pin jump out thus allowing the cars to run wild down the incline.

June 25, 1907. Reuben James, Kayford Mine, was helping Bradley Braxton on an electric chain machine cutting a room. Had made four runs and started on the fifth, about one foot undercut had been made when the coal rolled over catching James who was shoveling slack from the machine.

MASON COUNTY.

September 5, 1906. Rutter Holt, Klondike Mine, was working at the face of his room when a body of slate fell crushing him.

NICHOLAS COUNTY.

September 21, 1906. James T. Nutter, Greendale or Raven Mine, while in his working place near the face, a large fall of slate came down upon him.

PUTNAM COUNTY.

August 7, 1906. John Allison, Manilla Mine, was barring down some coal when a "kettle bottom" fell on him, catching his head between the rock and coal.

RALEIGH COUNTY.

July 9, 1906. Thomas Crezeilok, Raleigh No. 1 Mine, was caught by a fall of slate in his room, breaking his neck.

July 20, 1906. Italian No. 47 (name unknown), Cranberry Mine, in attempting to cross the bottom of the shaft was caught by descending cage, breaking his back. A passage way is provided at the bottom of this shaft for men to travel from one side to the other.

August 28, 1906. Wm. Wooten, Raleigh No. 3 Mine, was caught by a piece of draw slate falling in his room, causing immediate death.

September 6, 1906. Robt. A. Moore, Beckley Mine, after making a shot returned to his working place and was in the act of picking up his shovel to load his car when a large piece of slate fell from between posts, striking him on head. The room was well posted.

April 8, 1907. Frank McClure, Wright Mine, was driving between partings, followed by Bird Bragg, another driver. Bragg did not see any light in front thought McClure had gone out, drove up cautiously and called, meeting with no response he went forward and found McClure lying in the car with his neck broken. How this accident happened will always remain a mystery.

May 17, 1907, died May 20, 1907. Charles Smertck, Stonewall Mine, was working at the face of his entry when he heard a piece of slate crack behind him, turning to run was struck in the side by slate falling from the rib which knocked him down and he was held under the slate until released by Thos. Robertson, the Mine Foreman. He was sent to the hospital at McKendree where he died.

June 27, 1907. Lawrence Saunders, Price Hill Mine, was killed by a fall of slate while at his usual occupation as a miner.

LOGAN COUNTY.

February 16, 1907. Otto Krung & Peter Steltz, Yuma Mine, were standing too close to a shot that blew out, causing severe burns from which they died. Two men were non-fatally burned in this accident.

March 4, 1907. Edward M. Grover, Rex Mine, and another miner were mining coal on each side of a wedge shaped body near a parting where a room turned off the main entry and were both preparing a shot. Armentrout finished his first lit the squib and came around the point of

coal at the parting and warned Grover, who continued to prepare his shot. The force of Armentrout's shot blew the coal on the opposite side, striking Grover in the head breaking his neck.

May 14, 1907. Edward Elkins, Logan No. 1 Mine, was driving a string team sitting on the front car. When about 150 feet from the the drift mouth he loosened the mules from the cars and jumped in front of the cars, stumbled and fell on the track, the front car running over him, causing instant death.

June 24, 1907. J. D. Johnson, Island Creek Mine No. 2, was following close behind the driver who was taking a car into his room and was caught by a fall of slate. Was taken to the doctor's office who gave him every attention possible but he died in about one and a half hours.

MINGO COUNTY.

July 3, 1906, died July 5, 1906. Wm. Steisel, Thacker No. 2 Mine, was a trapper boy and had the habit of jumping on the mine cars. Had been frequently warned by the mine foreman and drivers to discontinue this habit. He was trapping on main entry between 13th and 14th left, in riding from 14th to 13th left tried to get off but slipped and fell and the front wheel of car crushed his leg. Was taken to the hospital at Welch, but died two days after the accident.

July 12, 1906. Dave Tacket, Lick Fork Mine, was acting as brakeman on a trip of mine cars going down a small grade when the cars wrecked, knocked down a post allowing some slate to fall on the rear end of car which caught and killed him instantly.

September 8, 1906. Joseph Lankford, Alma Mine, was shooting rock at working face of the 12th left heading. Not taking the necessary precaution proceeded to work at the face without examining the roof after making a shot which had loosened the slate and it fell on him, killing him instantly.

September 11, 1906, died October 2, 1906. Major Hatfield, War Eagle Mine, was running a mine machine when slate fell and broke his back and three ribs. Was taken to the hospital at Welch where he died.

November 16, 1906. Mike (Bud) Mounts, Glen Alum No. 2 Mine, was laying track for his brother, Noah, who was a contractor. "Bud" seems to have gone into some other part of the mine where he did not have any business and was killed by a fall of slate from the rib.

December 8, 1906. John Crabtree, Cedar Mine, was working for Keenan Mounts as back hand, digging coal, when draw slate fell crushing his head and body, causing death. Crabtree was an experienced miner of some seven years, but neglected to prop or take down the slate that fell on him.

January 16, 1907. Donny Rotch, Red Jacket Mine, was shoveling coal from the face of his room when slate fell on him, mashing his head and causing death.

April 10, 1907. Robt. Beasley, Glen Alum Mine No. 1, was track layer and timberman. While in room No. 27 on 19th entry was caught by a fall of slate, causing instant death.

June 21, 1907. Hendri Smillenle, Grapevine Mine, had just fired a shot and returned to the face of the room to resume loading a car. The place was smokey and he failed to examine the top. A piece of slate fell on him killing him instantly.

McDOWELL COUNTY.

July 2, 1906. A. H. Meadows, Hillory Hall, E. D. Howard and Wm. Mahan, Keystone Mine, were caught in an explosion of gas. All with the exception of Hall were killed instantly and he died four days later. This accident is described in detail in the appendix to this report.

July 10, 1906. Harvey Cloud, Tidewater Mine, was at work in the mine when there came a fall of coal and slate from face of pillar on which he was working, catching him and causing death.

July 16, 1906. Walter Simpson, Elk Ridge Mine, being an employe of the slate gang was standing on No. 2 cross entry. A fall of slate struck him on the head knocking him down, resulting in death.

July 18, 1906. Vernet Carr, Empire Mine, was killed by a fall of slate.

July 19, 1906. Wallace H. Mitchell, Wm. Crew, John Gallamore and Palmer Harris, Dixon-Pocahontas Shaft Mine, were descending the shaft in a bucket with Loudon Whiteside. When down about 40 feet the torch that they carried ignited gas in the shaft which exploded. Four of the men either jumped off or were thrown out and were killed by the overturning of the bucket, supposed to have been caused by a 3 by 3 scantling they had in the bucket catching in the timbers of the shaft as they started back up the shaft. Whiteside remained in the bucket and was saved but very badly burned. The other four men fell about 75 feet to the bottom of the shaft and were killed instantly.

July 23, 1906. Chas. Anthony, Pulaski Mine, was digging down coal in a split on pillar when a "kettle bottom" dropped on him crushing body so as to cause immediate death.

August 1, 1906. Miles Pledger, Pulaski Mine, was working under loose slate and before he had worked out enough coal to set prop the slate broke and fell on him. He was found dead by the driver.

August 11, 1906. Andrew Banka, United States No. 2 Mine, was killed by a fall of slate. Louis Nemitt, his partner, was standing by the car and said, "Lookout, Andy, the slate is going to fall." Andy jumped from under that portion of slate into a break-through, but the slate fell there also and caught him.

August 13, 1906. Luther Cloud, Shawnee Mine, was running some coke cars. The car he was on stopped on a curve and he got between the cars to couple it to some more cars following, being on the inside of the curve the cars came so close together that they crushed him. When separated he fell on the track and was run over.

August 13, 1906, died August 17, 1906. Sant Ambrosa, Elkhorn Mine, was riding on the front end of a dirt truck on larry track coming down grade and ran by the place of stopping. He jumped off in front to stop

the truck which knocked him down and rolled him. He was taken to the Welch Hospital where he died.

August 20, 1906. Floyd Fulton, Bottom Creek Mine, was working as a back hand for Grover Stringer, robbing a pillar in No. 12 room, No. 8 entry. Stringer had stepped out for some oil. During his absence slate fell on Fulton, killing him.

August 22, 1906. Nicholas Lopata, Jed Mine, was taking down some roof with two other men when a piece of slate, weighing about 61 pounds, fell, striking him on the head.

August 28, 1906. John Yenushefsky, Bottom Creek Mine, with four or five others were taking down slate on No. 11 entry, under the charge of a slate man. Were working at some slate close to the face. While preparing to shoot some fallen slate three of them moved back on the entry, heard some slate working and becoming frightened made a rush down the entry. Yenushefsky either fell or was knocked down by one of the others in the excitement and thrown on the gob side just as the slate fell. A large piece slid down on him before he could regain his feet.

September 6, 1906. Wm. Duncan, Peerless Mine, was delivering an empty car to a miner. The mule turning to the side pulled down a prop, causing slate to fall on Duncan, killing him instantly.

September 7, 1906, died September 8, 1906. Edward Short, Big Sandy Mine, was a motorman and was running his motor at high speed when it jumped the track at 3rd right and main entry, crossed the main entry running under the slate crushing him between the motor and slate. Was taken to the Hospital at Keystone where he died the next day.

September 22, 1906. Paul Roeser, Bottom Creek Mine, was working on slate force under a competent slate man and had been engaged in taking down and breaking up the fallen slate in a room. While he and the head slate man were preparing to set a prop the slate fell, without warning, on Roeser, breaking his neck.

September 27, 1906. Paul Stulfitch, Crozer No. 1 Mine, was working in a room where the draw slate was about one inch thick, and there was a "kettle bottom" hidden by this slate, which fell out without warning, mashing his head and killing him instantly.

October 20, 1906. Allen Adams & Gilbert Adams, Cambridge Mine, were taking track from a pillar when slate fell on them, causing instant death.

October 30, 1906. Wm. Brown, Pulaski Mine, was preparing a shot in a large piece of slate that had fallen and was standing under a brow of slate which was partly loose, but which he felt sure would hold until he got the shot in, but before placing the shot the brow of slate fell crushing him.

November 6, 1906, died December 17, 1906. George Rinco, Crozer No. 2 Mine, along with his partner went into their room to fire a shot. Afterwards noticed that the slate was loose. The partner wanted to take the slate down, but Rinco wanted to prop it, got mad at his partner for his suggestions and commenced picking at the coal to load it when the slate fell on him, mashing him.

November 15, 1906. John McGinnis, Pulaski Mine, was riding in front

car of trip going in the mine. He jumped on left side of track and attempted to cross track ahead of trip in order to get on right side as the entry was wider on that side. He stumbled and fell on the track and several cars passed over him before they could be stopped.

November 17, 1906. Robert O'Neill, Twin Branch Mine, had come out of his working place and stepped into mouth of an entry not being worked in order to let a car pass. A piece of slate weighing about three or four thousand pounds fell on him, crushing his body and breaking his left leg in three places, causing instant death.

November 26, 1906.,Pietro Cesco, McClaren Mine, while making a cut of coal a piece of slate at the face fell on him suddenly, breaking his neck.

December 1, 1906. Alex Tyrus, Turkey Gap Mine, was working on No. 42 pillar when about a half of a car of coal fell and crushed him.

December 10, 1906. Simon Sloten, United States Mine No. 2, while in room No. 1½ on 7 butt entry, a fall of roof slate came which caught him, killing him.

December 13, 1906. William Jones, County Seat Mine, was working in his room and struck what is called a roll or horse-back when a large piece of slate fell on him, breaking his neck.

December 14, 1906. Joseph Steel, James Witcher (died Dec. 26, 1906), Ad. Mullins, Alex Finney, Parthena Rhodes (died Dec. 19, 1906), and Martha A. Johnson (died Dec. 25, 1906), Pulaski Mine, were killed by an explosion of 400 kegs of powder on the outside of the mine. The powder had just been unloaded from a railroad car and was being hauled in the mine cars to powder magazine. The last two in the above list are women who were in a house that was wrecked by the explosion. A detailed description of this accident will be found in the appendix to this report.

December 15, 1906. H. A. Hatcher, Elk Ridge Mine, was running a locomotive, light, at a high rate of speed when it jumped the track throwing him under the engine, crushing him from the effects of which he died.

December 18, 1906. John T. Nutall, Empire Mine, and his partner were butting off a pillar between 63 and 65 on No. 12 entry. Had broken through into No. 65 and were in the act of robbing the stump back to No. 63 and while driving a wedge to bring down the top coal it suddenly fell, catching him breaking his back and killing him.

December 20, 1906. Alexander Boardlie, United States No. 6 Mine. This boy was working with his father and while shoveling slack back from where his father was working, the slate fell without warning, fracturing his skull and causing death.

December 20, 1906. Eugene Scherbonowski, Indian Ridge Mine, after shooting his coal from the solid was loading his car when a piece of slate fell on him, killing him instantly.

December 21, 1906. Tony Zarra & Lawrence Quadrone, Peerless Mine, were shooting for parting and dug coal from a piece of loose slate which fell and mashed them, causing death.

December 29, 1906. Garfield Lynch, McDowell Mine, while employed as

a miner in the mine draw slate fell on him, crushing his skull, causing death.

January 9, 1907. Rodel Frozel, Keystone Mine, was undercutting his coal when it fell on him, crushing him so as to cause his death.

January 12, 1907. John Ferry (Giovanni Fararelli), Indian Ridge Mine, was engaged in robbing a pillar, which was a long narrow stump, and instead of pulling it back from end as instructed he cut a breakthrough in middle leaving a very small square stump. The slate broke around this stump and fell catching him, mashing his head to a pulp.

January 15, 1907. Boone Carter, Empire Mine, was killed by a fall of slate.

January 24, 1907. Jeff L. Jennings, Ashland Mine was on the tippie when the rope broke on the incline leading into the tippie letting the car run away on to the tippie and either the car or some flying debris struck him, causing death.

January 25, 1907, died January 26, 1907, John C. Pelter, Bottom Creek Mine, was assisting in the erection of a fan which was being put in place by means of a gin pole. A guy line to the pole broke allowing it to fall. The pole struck Pelter, fracturing his skull. He was sent to the Hospital at Welch where he died.

January 31, 1907. L. E. Warden, Shamokin Mine, was in his room with H. Y. Neal. He started to work on stump, picked up a pick and commenced striking the coal. Neal told him not to do it as it was too dangerous as there might come a squeeze at any minute, but he kept on and in about a minute afterwards there did come a squeeze and about a ton of coal fell over on Warden, causing instant death.

February 1, 1907. James Johnson, Turkey Gap Mine, was working on No. 1 pillar, No. 24 cross entry, when a large piece of slate fell, crushing him so badly that he died.

February 4, 1907. Henry Toler, Empire Mine, was robbing a stump and was told by a fellow miner, who visited his place, that he had better set more props and leave the stump as soon as he had loaded his car. But Toler kept on digging coal out from under the slate until it fell on him, causing instant death.

February 8, 1907. Percy Harbor & George Tobald, New River & Pocahontas or Berwind No. 1 Mine, were running a puncher machine and had completed a cut in room No. 9 on 1st right entry. A heavy piece of sand-rock which had broken off close up to face of room fell and caught them. The bodies were found lying by the machine board on the cuttings from the machine and under the sandrock.

February 14, 1907, died February 16, 1907. Karl Bauer, Bottom Creek Mine, tried to open a keg of powder in his house with a pick. The keg exploded as did also another keg in the same room. The house was badly damaged but the roof did not fall. Two other men, Frank Fisher and John Poditski, were non-fatally burned by this same explosion.

February 18, 1907. Harre W. Lester. Page Mine, was riding on front end of a trip of mine cars. The cars wrecked and in his attempt to leap from the cars fell in front of car, sustaining injuries that ended in death.

February 19, 1907. John D. Bailey, Lynchburg Mine, was employed as

tippleman and in dumping coal failed to lift the latch that releases the endgate of the car. The car in striking the horns of the tipple caused the rear end to strike Bailey, causing instnt death.

February 19, 1907, died February 20, 1907. Geo. Mills, Norfolk Mine, in company with Robt. Mills, his partner, was working in No. 14 room, 2nd cross, new drift. Robert noticed that the slate was bad and said he would not work under it, but George got a pick and started to work. Robert told him not to work under it until they got the slateman to fix it, but he said he wasn't afraid and started to bore a hole. When he got to the sulphur band asked Robert to assist him which he would not do and in about a minute afterwards the slate fell on George, injuring him so severely that he died the next day.

February 20, 1907. Jerry Lovell, Peerless Mine, was digging cut and coal fell on him mashing his head.

February 22, 1907. Adam Sprakup, Peerless Mine, was fixing track with his foreman when a piece of loose rock fell on him, killing him instantly.

February 25, 1907. Angelo Lacosta, Angle Mine, was employed as trackman and in attempting to get on a mine car got hold of the car while in motioin but fell off and was caught between the car and rib and was rolled.

March 14, 1907. Robert Carter, Page Mine, while getting off of mine car stumbled and fell in front of same, and before car could be stopped was caught and crushed.

March 15, 1907, died March 16, 1907. Robert L. Boon, King Mine, had a standing shot and in trying to work it down the coal fell on him causing death.

March 18, 1907, died March 30, 1907. James Meadows, Marytown Mine, in transferring some powder from a keg into a smaller vessel a spark from his lamp came in contact with the powder, causing it to explode. He was taken to the Hospital at Welch where he died.

March 18, 1907. William Brown, Angle Mine, was employed as a car dropper and was letting some cars down under the tipple and attempted to jump off on one side and then went to the other side and either jumped off or fell off, getting under the cars in some manner and about eight or ten cars passed over his leg.

March 26, 1907, died April 1, 1907. Zack Hopkins, Indian Ridge Mine, was working under a piece of draw slate which was loose at one end. His partner tried to get him to set a prop under this loose slate at the same time telling him it was very dangerous, but Hopkins would not do it. While they were loading the car the slate fell mashing Hopkins. Was taken to the Welch Hospital where he died.

March 29, 1907. Walter Lackay, Turkey Gap Mine, while pursuing his duties as trackman a piece of slate fell on him, killing him.

April 5, 1907. Dominique Kaint, Elk Ridge Mine, while under the instructions of J. C. Cox who had charge of a few men cleaning up some slate. Cox noticed a piece of slate was loose and cautioned these men to stay from under it but contrary to instructions Kaint and Hairston went under the slate and it fell, killing Kaint and injuring Hairston.

April 6, 1907. Robert Brown, United States No. 2 Mine, was taking down slate in No. 2 new slope and was bossing the job. He went down to start a pump and when coming back the slate fell on him. This was the slate that he had been working on.

April 6, 1907. Died April 8, 1907. Macon Gilliam, Page Mine, was working at face of heading when a piece of slate fell on him, injuring him so seriously that he died later.

April 8, 1907. John Goot, Delta Mine, was killed by a fall of coal. Frank Vachinsky was loading coal and did not have enough down to fill the car when Goot came up to his place and said, "I will get you all the coal you want", and took a pick and commenced to pick the coal when over a car of coal fell on him. Goot was not in his own room, but was in a room about 500 feet from where he worked.

April 11, 1907. William Cundiff, United States No. 1 Mine, was employed as a driver taking out a two car trip. He had been in the habit of cutting his team off at No. 6 room and let them turn into No. 3 room and getting behind to his brake to let the trip into the sidetrack. This trip was running faster than usual and in getting off he slipped and fell under the car and was killed instantly.

April 15, 1907. Dominic McDonald, Joe Monn, Jim Ross, Frank Garland and Geo. Conerige, Gilliam Mine, were in a tenement house and two of the party got into a scuffle over a keg of powder, causing an explosion and the burning of the house, and all the occupants. Three died almost instantly while McDonald lingered until April 17, 1907, and Joe Monn died April 20, 1907.

April 17, 1907. Claude Robinson, Algoma Mine, while engaged as a driver making a delivery of a car on 7th cross entry, a fall of slate came striking him, causing death.

April 19, 1907. Cesare Crippa, United States No. 3 Mine, was riding on front end of an electric motor outside of the mine and stepped off in front before the motor had stopped and it caught his foot throwing him on the track and the motor ran up on him, fracturing his skull.

May 10, 1907. A. B. Dalton, Pulaski Mine, was riding on the front end of a mine car when the rib caught and pulled him between the car and the rib, causing death.

May 11, 1907. George Mitchel, Ashland Mine, was robbing No. 11 pillar off No. 9 entry and had cut off a stump and then split it through, and had just broken a small hole through to the fall when the top gave way and fell on him.

May 20, 1907. Boss Corbet, Bottom Creek Mine, had been at work on pillars No. 7 entry, but moved the morning of the accident to No. 8 entry No. 56 room on pillar work. The man overseeing the work took him to this place and suggested that he had better shoot out the corner of a pocket under which he was standing rather than dig it out. He did not do this but evidently began digging as he had a car about half loaded with coal and about a car load of coal fell out with the slate and caught him.

May 24, 1907, died May 25, 1907. John Fallow, New River & Pocahontas or Berwind No. 1 Mine, was employed as brakeman on a motor and was riding on the front end of a trip which was being pushed into the mines

and up to the 1st right entry. Someone threw the switch at No. 3 room which ran the trip into the room making a wreck, catching Fallow between the front car and the coal. He was taken to the Hospital at Welch where he died.

May 31, 1907. Squire Cobbs, Pulaski Mine, stooped to pick up a prop that had been knocked down by a mule balking and was caught by a fall of slate.

June 1, 1907. Mays Galloway, Shawnee Mine, was employed on the 31st of May and told to meet mine boss at the shop and he would show him his working place, but did not do so and started in with his tools on shoulder through the main haulway and not having any light in getting out of the way of a trip of cars the augur he had on his shoulder ran against the electric wire which knocked him down about the time the trip came to him. The motor struck him rolling him along ahead of it, crushing him and killing him instantly.

June 11, 1907. Glasgow Lane, Houston No. 1 Mine, was killed by slate falling on him and breaking his neck.

June 24, 1907. Mack Phillips, New River & Pocahontas or Berwind No. 3 Mine, was killed by a large piece of slate falling on him from the middle of the entry.

June 27, 1907. W. Atkins, J. B. B. No. 3 Mine, was in the employ of contractor, Chas. Starkey, and was killed by a fall of slate.

MERCER COUNTY.

July 6, 1906. Amelio Charna, Toney Gott and Sam Moat, Mill Creek Mine, were working on slate force when a fall of coal and slate from side and top of mine came without warning, falling on the men, causing instant death.

July 23, 1906, died August 8, 1906. J. R. Shepherd, Pinnacle Mine, after firing a shot in the coal did not take the necessary precaution by examining the roof and taking down the loose slate, consequently was caught by a fall of slate, mashing him, causing death.

November 16, 1907. Charles Hairston, Coaldale Mine. A sudden fall of coal and slate knocked down a prop which struck Hairston, who walked out of the mine to his boarding house without any assistance, apparently not seriously hurt. The physician saw him a few hours afterwards, but the man did not complain of his head, only some pain in shoulder. It is presumed that he came to his death from intracranial hemorrhage about 14 hours after the accident.

December 4, 1906. Joe Miller, Pawama Mine, was working in 2nd breakthrough in No. 9 room. The breakthrough only lacked about one car of being completed. He was working under draw slate which was cut off on three sides. When found he was lying beneath a piece of slate, had apparently been killed instantly.

January 8, 1907. George Muse, Caswell Creek Mine, was caught by a fall of slate from brow of rib and crushed so badly that he died from the effects.

January 10, 1907. Arthur Elliott, Louisville Mine, fired a shot about 4:15 P. M. and evidently did not investigate the top before commencing

to load his car, being in a great hurry to load up and get out before the mine closed for the day, and was caught by a fall of slate, killing him.

January 15, 1907. Sam. G. Lyle, Booth-Bowen Mine, was working with J. W. Cheatwood on pillar between No. 15 and No. 16 rooms, on Meadows entry. After breaking through a stump on the pillar they set a prop in the center of opening. When they went in to work the slate had broken in two on the right side of the prop. This slate they pulled down and had just cleaned it up. Lyle bored a hole on left side and the shot was fired. They both got their picks and went to the place where shot was fired, Lyle made one stroke with his pick and the coal gave way and a piece of slate from the top fell on him, killing him instantly.

June 15, 1907. Harvey Maals and George Taylor, Weyanoke Mine, in company with several other workmen were employed in straightening track on main entry 75 feet from mouth of 1st right entry. Six little pop holes were put in along the rib 18 inches deep to shear it, four holes were fired. Foreman and some of the men returned to see results and fire the other two holes. The holes were lighted and Foreman yelled, "Fire", and turned back, only went a few feet when rock fell on Maals and Taylor. Foreman jerked the squibs out of the two holes and they were not exploded. Maals and Taylor died almost instantly.

CONDITION OF THE MINES.

MINE INSPECTORS.

James W. Paul, Chief of Department of Mines, Charleston.

FIRST DISTRICT.

Edward V. Byrne, Inspector, Elm Grove.

SECOND DISTRICT.

Frank E. Parsons, Inspector, Clarksburg.

THIRD DISTRICT.

John F. Bratt, Inspector, Independence.

FOURTH DISTRICT.

Earl A. Henry, Inspector, Clifton.

FIFTH DISTRICT.

*John I. Absalom, Inspector, Montgomery.

SIXTH DISTRICT.

Bonner H. Hill, Inspector, Chelyan.

SEVENTH DISTRICT.

William Warner, Inspector, Welch.

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*John I. Absalom, Inspector, until May 31, 1907.

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MINE INSPECTION DISTRICTS

FIRST DISTRICT.

Counties of *Brooke*, *Hancock*, *Marion*, *Marshall*, *Monongalia*, *Ohio*, *Pleasants*, *Tyler* and *Wetzel*.

SECOND DISTRICT.

Counties of *Barbour*, *Calhoun*, *Doddridge*, *Gilmer*, *Harrison*, *Lewis*, *Ritchie*, *Taylor*, *Upshur* and *Webster*.

THIRD DISTRICT.

Counties of *Berkeley*, *Grant*, *Hampshire*, *Hardy*, *Jefferson*, *Mineral*, *Morgan*, *Pendleton*, *Preston*, *Randolph* and *Tucker*.

FOURTH DISTRICT.

Counties of *Braxton*, *Clay*, *Fayette*—north side of New River to *Thurmond*, *Jackson*, *Kanawha*—north side of Kanawha River, *Mason*, *Nicholas*, *Putnam*, *Roane*, *Wirt* and *Wood*.

FIFTH DISTRICT.

Counties of *Fayette*—east of *Thurmond* and all of *Fayette* south of New River, *Greenbrier*, *Pocahontas*, *Raleigh* and *Summers*.

SIXTH DISTRICT.

Counties of *Boone*, *Cabell*, *Kanawha*—south side of Kanawha River, *Lincoln*, *Logan*, *Mingo* and *Wayne*.

SEVENTH DISTRICT.

Counties of *McDowell*, *Mercer*, *Monroe* and *Wyoming*.

(Italicized counties are those in which coal mines are operated.)

FIRST DISTRICT.

GENERAL SUMMARY OF THE FIRST DISTRICT FOR THE YEAR. ENDING JUNE 30, 1907.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.									Production of	
			Inside.					Outside.			Sum Total.	Coal (tons of 2,240 lbs)	Coke (tons of 2,000 lbs)
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.			
Brooke.....	6	1	166	273	52	85	576	75	....	75	651	526,997	.....
Hancock....	4	..	15	35	8	15	78	21	....	21	94	78,280	.....
Marion.....	24	14	985	839	248	907	2,954	660	195	855	3,809	3,619,764	233,700
Monongalia	7	1	142	128	22	78	368	57	128	185	553	292,596	113,031
Marshall....	7	5	109	301	46	97	553	79	....	79	632	560,427	.....
Ohio.....	9	2	77	82	10	116	287	28	....	28	315	186,350	.....
Totals.....	57	23	1,474	1,656	381	1,300	4,811	920	323	1,243	6,054	5,214,414	346,731

OFFICE OF FIRST DISTRICT MINE INSPECTOR,
Elm Grove, W. Va., August 10, 1907.

HON. JAMES W. PAUL,
Chief of Department of Mines,
Charleston, W. Va.

DEAR SIR:—I herewith respectfully submit to you my annual report as Inspector of Mines of the First District of West Virginia, for the year ending June 30, 1907.

During the year I made one hundred and fifty-three regular visits and inspections, and nine extra visits investigating accidents and other matters pertaining to the mines were made when necessary but no record was kept of them.

I regret to state that during the year I received a record of seventy-seven accidents, twenty-three were fatal and fifty-four non-fatal. I have endeavored to investigate all accidents, and upon investigation, I found that these accidents were mainly due to carelessness of those employed in working under loose slate, in handling explosives, in handling cars, and also in handling electric appliances. In several of the mines, too high a voltage is used for under-ground work. The details of these accidents have all been given in the reports of each mine as they occurred.

A comparison of the different types of machines in use in the different machine mines in this district will show the chain cutter to be the best adapted to the No. 8 Pittsburg vein, and the compressed air machines, of the puncher type, to the Freeport and Kittanning seams.

Owing to the fact that a large majority of the coal is mined by machinery, it is a very hard matter to state just exactly what percent of the

coal is shot on the solid. It is a fact that a small percent of the pick mined coal is shot on the solid and I have endeavored to give as nearly the exact amount as I can in each separate mine report.

With very few exceptions the mine law in regards to powder is fully complied with. The special details of these mines are given in the mine reports.

All mines that generate dust are properly watered down.

One mine was enjoined in Ohio County for not complying with the mining law. The main cause was a defective second opening. The injunction was pending for nearly a year and was finally granted in the Circuit Court by Judge Hervey.

One of the worst things with which I had to contend with was the oil question. In Marion County especially, a very poor quality of oil was used for illuminating purposes. A majority of the miners there used a mixture of this poor grade of oil and kerosene. Some of the miners used a mixture of kerosene and blackstrap. I am glad to say that this poor quality of oil is not now in use and that a good quality known as the J. V. Lewis test is now in use. One miner in Marion County was indicted for the use of a mixture of kerosene and blackstrap for illuminating purposes.

In conclusion, I am glad to say that I am thankful for the courteous treatment that I have received from the hands of the miners and the officials of the various mines, for which I desire to return my thanks.

I also wish to thank you for the able advice and many favors received at your hands during the past year.

Yours truly,

E. V. BYRNE,
Mine Inspector, 1st. District.

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CONDITION OF THE MINES IN THE FIRST DISTRICT.

BROOKE COUNTY.

A. GILCHRIST & SONS' COAL COMPANY.

No. 1. *Gilchrist Mine*.—This mine is located on the P. C. C. & St. L. R. R. one half mile north of Lazearville. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a furnace and is only fair. The drainage was found to be in bad condition along the main haulway.

All powder is carried into the mine in cans of five pounds capacity.

The oil is only of a fair quality but it is not handled by the operating company.

With a full force of men and present developments and equipment, this mine is capable of producing 420 tons per day.

With the exception of the drainage the mining law is fairly well complied with.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office, as is required by law, although their attention has been called to it.

There was only one accident in this mine. It was non-fatal. Left leg broken above the knee, and a small cut on forehead caused by a fall of slate.

This mine was reported last year as Gilchrist Mine, No. 1 of the printed report.

A. GILCHRIST, Supt.

W. T. GILCHRIST, Mine Boss.

THE LA BELLE COAL COMPANY.

No. 2. *Lewis Mine.*—This mine is located on the P. C. C. & St. L. R. R., at the southern extremity of Wellsburg. This mine is a drift opening operating the Pittsburg coal on the double entry system.

Ventilation is produced by means of a furnace and is not sufficient. A fan has been recommended. Drainage is in a bad condition throughout the mine. Two new openings from the face of the main heading are being driven to the outside, one for ventilation and one for drainage, which will cut off all the old workings of the mine.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil was found to be in use for illuminating purposes.

The second opening meets all the requirements of the law.

Drainage and ventilation are the only things which do not fairly meet the requirements of the law.

With the present mine development and equipment and a full force of men this mine is capable of producing 1080 tons per day.

One accident, not fatal, occurred in this mine. Leg broken, caused by fall of slate.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to July, 1904, has been furnished this office. The company's attention has been called to this.

This mine was reported last year as Lewis Mine, No. 2 of the printed report.

O. L. MARQUET, Supt.

WILSON HOLMES, Mine Boss.

BEECH BOTTOM COAL COMPANY.

No. 3. *Beech Bottom Mine No. 1.*—This mine is located on the P. C. C. & St. L. R. R., three miles south of Wellsburg. It is a drift mine operating the Pittsburg coal on the double entry system.

Ventilation was produced by a furnace but an eight foot Robinson fan has been installed, producing good results. The drainage is fairly good.

All powder is carried into the mine in cans of five pounds capacity. The oil used for illuminating purposes is of a good quality.

The roof in this mine is not very good, but it is well timbered.

Doors of proper construction have been recommended to be placed at the proper places instead of canvass which is in use to maintain the proper ventilation.

With a full force of men and present equipment this mine is capable of producing 2662 tons of coal per day.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

Map of this mine extended to May, 1907, has been furnished this office.

This mine was reported last year as Beech Bottom Mine, No. 3 of the printed report.

ELMER HOUGH, Supt.

J. R. PATRICK, Mine Boss.

W. E. WALLACE, Assist. Mine Boss.

LEWIS—FINDLEY COAL COMPANY.

No. 4. *Locust Grove Mine*.—This mine is located on the P. C. C. & St. L. R. R., about one and one quarter miles south of Collier Station. It is a drift mine operating the Pittsburg coal on the double entry system.

The ventilation is produced by a fan and two furnaces and is only fair. Drainage is only fair.

The roof in this mine is not very good but it is well timbered.

All powder is carried into this mine in cans of five pounds capacity.

About 20 percent of the coal is shot on the solid.

The oil used for illuminating purposes is of a fair quality.

The mining law has not been complied with in regards to hiring a mine foreman.*

The second opening meets all the requirements of the law.

With a full force of men and present mine developments and equipment this mine is capable of producing 1014 tons per day.

There were seven accidents in this mine during the year. One was fatal, caused by a fall of slate. Six were non-fatal. These accidents were caused as follows: Two, riding on a loaded trip; one, remaining in the locality of a lighted shot; one, while shearing tight a piece of coal fell; one, by explosion of powder; one, by the falling of slate.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to May, 1907, has been furnished this office.

This mine was reported last year as Locust Grove Mine, No. 4 of the printed report.

E. H. LACE, Supt.

C. W. HALL, Mine Boss.

HARRY COLE, Fire Boss.

*See opinion of Attorney General on citizenship contained elsewhere in this report. J. W. P.

LA BELLE IRON WORKS.

No. 5. *La Belle Shaft Mine*.—This is a shaft mine with the opening on the Ohio side at Steubenville extending under the river into West Virginia. Depth of shaft to surface landing, 198 feet. Main entry course S. 15 degrees E. goes under the river at X 1250 and crosses at right angles to channel line. The West Virginia side X 1956 making the river 706 wide at this point.

This mine was regularly inspected by E. V. Byrne and Ebenezar Jones when conditions in regards to safety were found to be good. Ventilation is produced by a fan and was found to be good. Drainage was also good.

This mine was operating the upper Freeport coal, on the double entry system.

There are small quantities of explosive gas found in this mine.

All powder is carried into this mine in cans of five pounds capacity.

The oil used for illuminating purposes is of a good quality.

With a full force of men and present mine equipment and development this mine is capable of producing 500 tons of coal per day.

Rules were posted, blankets and stretchers kept on hand.

Extra precaution is taken at this mine to protect the workman employed from the electric wires.

A map of this mine extended to May, 1907, has been furnished this office.

This mine was reported last year as La Belle Shaft Mine, No. 5 of the printed report.

P. J. HARRIGAN, Supt.

W. J. LAFFERTY, Mine Boss.

JOSEPH CADWICK, Fire Boss.

REX CARBON COAL COMPANY.

No. 6. *Rex Carbon No. 1 Mine.*—This mine is located on the north side of Cross Creek on the Wabash, Pittsburg Terminal R. R., about six miles north-east of Wellsburg. It is a drift opening operating the Pittsburg coal on the double entry system.

The roof is good, consisting of hard black slate. The coal is delivered from the mine to the tipple over an incline of about 250 feet by a rope. Ventilation is produced by a fan and is good. Drainage is also good.

The oil used for illuminating purposes is only of a fair quality but it is not handled by the company. The use of kerosene and black strap was formerly practiced but has been abandoned.

All powder is carried into the mine in cans of five pounds capacity.

Recommendations had been offered concerning the sprinkling of parts of the mine which is now being done.

With a full force of men and present equipment and development this mine is capable of producing 900 tons per day.

The second opening meets all the requirements of the law.

Seven electric chain mining machines and one electric 15 ton motor have been installed. This during the last year.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as No. 1 Mine, No. 6 of the printed report.

J. D. CRIBBS, Supt.

H. E. COOLEY, Mine Boss.

HANCOCK COUNTY.

M. M. CULLEN.

No. 7. *Porter No. 1 Mine.*—This mine is located about three miles east of New Cumberland on Harden Run. They are operating the Upper Freeport coal on the double entry system. Ventilation is produced by a

furnace and is only fair. The drainage is bad along the main haulway. The mine is free from gas.

A fair quality of oil was found to be in use.

All powder is carried into the mine in cans of five pounds capacity.

With a full force of men and present mine equipment and development this mine is capable of producing 42 tons per day.

The roof is a good sandstone roof and is well timbered.

No rules were posted, no blankets or stretchers were kept on hand, and no map of this mine has yet been furnished this office.

This mine was reported last year as Porter No. 1 Mine, No. 7 of the printed report.

PAUL S. CULLEN, Supt.

JAMES McDOWELL, Mine Boss.

THE MARQUET COMPANY.

Nos. 8, 9, and 10. *Marquet Mines Nos. 1, 4 and 5.*—No. 1 is abandoned. These mines are situated on Harden Run about three miles east of New Cumberland. They are operating the Upper Freeport coal on the double entry system. The coal is delivered to the P. C. C. & St. L. R. R., on a switch three miles long and by an engine both owned and operated by the Marquet Coal Co

Mine No. 4.—Ventilation is produced by a furnace and is only fair. Drainage is fairly good.

A fair quality of oil was found to be in use for illuminating purposes.

All powder is carried into this mine in cans of five pounds capacity.

The second opening meets all the requirements of the law.

With a full force of men and present equipment and development this mine is capable of producing 320 tons per day.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to July, 1907, has been furnished this office.

The main entry of this mine was driven 1100 ft. through a rock fault, sandstone, before striking coal.

Mine No. 5.—Ventilation is produced by a furnace and is only fair. Drainage is only fair.

The oil used for illuminating purposes is only fair.

All powder is carried into the mine in cans of five pounds capacity.

About 95 % of the coal is shot on the solid.

The second opening meets all the requirements of the law.

With a full force of men and present development this mine is capable of producing 150 tons of coal per day.

Rules were posted. Blankets and stretchers kept on hand.

A map of this mine extended to July, 1907, has been furnished this office.

These mines were reported last year as Nos. 1, 4 and 5, Nos. 8, 9 and 10 of the printed report.

C. F. WAGONER, Supt.

W. M. GILLMORE, Mine Boss, No. 4 Mine.

WM. LIDYARD, Mine Boss, No. 5 Mine.

MARION COUNTY.

FAIRMONT COAL COMPANY.

No. 11. *Murray Mine*.—This mine is located on the Connellsville division of the B. & O. R. R. about ten and a half miles north of Fairmont. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is natural and is good. Drainage is only in a fair condition.

About 10 % of the coal is shot on the solid.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned in this mine and now a good grade of oil is in use. They are now using the J. V. Lewis test which is considered a very good oil.

With the present development and equipment and a full force of men this mine is capable of producing 2832 tons per day.

The second opening meets all the requirements of the law.

There was one non-fatal accident in this mine during the last year. Right arm broken by fall of head coal while loading car.

The mining law is being fairly well complied with.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Murray Mine, No. 11 of the printed report.

J. H. BRAINBRIDGE, Supt.

D. H. SATTERFIELD AND
W. E. HARRIS, Mine Bosses.

No. 12. *Montana Mine*.—This mine is located six miles north of Fairmont on the Connellsville division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. The roof in this mine is the worst in the district. We have here a slate roof which is impossible to hold after being exposed to the air. But the management is taking all precautions to protect their employes. Ventilation is produced by a fan and is good. Drainage is only fair.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned in this mine and now a good grade of oil is being used. They are using the J. V. Lewis test.

With the present equipment and a full force of men this mine is capable of producing 1300 tons per day.

There were five non-fatal accidents in this mine. Four were caused by carelessness with cars, and one by a fall of coal.

About 20 percent of coal is shot on the solid.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Montana Mine No. 12 of the printed report.

C. E. GASKILL, Supt.

HAYS GASKILL AND
W. M. GASKILL, Mine Bosses.

No. 13. *Shaft Mine*.—This mine is located two and one half miles north of Fairmont on the Wheeling and Grafton division of the B. & O. R. R. It is a shaft mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

Just a small quantity of explosive gas is found at different places throughout the mine.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil in this mine has been abandoned and a good grade of oil is now being used. This oil is the J. V. Lewis test.

A small percent of the coal that is mined by the pick miners is shot on the solid.

With the present development and equipment and a full force of men this mine is capable of producing 1435 tons of coal per day.

The second opening meets all the requirements of the law.

There was one accident, not fatal, in this mine. Right shoulder blade broken, caused by trip striking him.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan. 1907, has been furnished this office.

This mine was reported last year as Shaft Mine, No. 13 of the printed report.

J. J. BRENNIN, Supt.

S. R. FETTY, Mine Boss.

C. E. SIDWELL, WALTER GRIFFITH, AND C. D. WARNER, Fire Bosses.

No. 14. *New England Mine*.—This mine is located on the M. R. division of the B. & O. R. R. two miles south of Fairmont. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

Small quantities of gas are found in different places in the mine.

The use of mixed oil and an inferior quality of miners oil has been abandoned and a good quality of oil is now in use. It is known as the J. V. Lewis test.

With a full force of men and the present mine development this mine is capable of producing 3950 tons of coal per day.

The second opening meets all the requirements of the law.

There were four accidents in this mine, two were fatal and two not fatal. One fatal accident was caused by a runaway trip, the other by being run over by a wagon, this latter accident was an out-side man.

The non-fatal were caused, one by a loaded car and the other by a fall of slate.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan. 1907, has been furnished this office.

This mine was reported last year as New England Mine, No. 14 of the printed report.

H. C. ASH, Supt.

B. G. ASH, A. C. POLING, AND ARTHUR EVINS, Mine Bosses.

JAMES GILLIS, ROBERT DONLIN, AND NEIGHT VILLAIS, Fire Bosses

No. 15. *Gaston Mine*.—This mine is located two miles south of Fairmont on the M. R. division of the B. & O. R. R. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

Small quantities of gas are found in different parts of the mine.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil is now in use. It is the J. V. Lewis test.

A small percentage of the coal mined by pick miners is shot on the solid.

With the present mine equipment and development and a full force of men this mine is capable of producing 2090 tons per day.

The second opening meets all the requirements of the law.

There were two accidents in this mine, one fatal and one not fatal. Non-fatal caused by fall of slate, and fatal accident by coming in contact with the trolley wire.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan. 1907, has been furnished this office.

This mine was reported last year as Gaston Mine, No. 15 of the printed report.

H. C. ASH, Supt. P. C. VERNON AND J. E. TRICKETT, Mine Bosses.
J. E. GATTAIN AND E. D. BROWN, Fire Bosses

No. 16. *Monongah Mine No. 2*.—This is a slope mine and is ventilated by a fan.

All coal from Monongah No. 3 Mine, as well as Monongah No. 5 Mine, is hauled through No. 2 and dumped over the No. 2 tipples. Very few men were employed in either No. 2 or No. 3 mines.

This mine was reported last year as Monongah Mine No. 2, No. 17 of the printed report.

No. 17. *Monongah Mine No. 3*.—This mine is located one half mile south of Monongah on the M. R. division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal, and is ventilated by a fan.

No. 18. *Monongah Mine No. 5*.—This mine is located at Monongah on the M. R. division of the B. & O. R. R. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and the J. V. Lewis test is now being used.

A small percentage of the coal mined by pick miners is shot on the solid.

The second opening meets all the requirements of the law.

With the present mine development and a full force of men this mine is capable of producing 9744 tons of coal per day.

Five accidents occurred in this mine, all were nonfatal. Three were caused in working with cars and two by fall of stump.

The coal from No. 5 mine is delivered through No. 2 part of the way by electric motor and part of the way by a rope to the tipple of No. 2.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Monongah mine No. 2, No. 17 of the printed report.

A. J. RUCKMAN, Supt.

ELZA LEVELL AND
PATRICK COSTELLO, Mine Bosses.

No. 19. *Monongah Mine No. 6.*—This mine is located on the north side of the West Fork River at Monongah. It is a slope mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

Small quantities of gas are found in different places in the mine.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and the J. V. Lewis test is now in use.

With a full force of men and the present mine development this mine is capable of producing 3500 tons of coal per day.

The second opening meets all the requirements of the law.

There were two accidents in this mine. One fatal, caused by a fall of slate; the other not fatal, caught by a car.

A small percent of shooting on the solid is practiced by the pick miners.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as, Monongah No. 6, No. 18 of the printed report.

A. J. RUCKMAN, Supt.

THOS. DONLIN and JAMES RODGER, Mine Bosses.

TIM LYDON, ANDREW MORRIS AND E. TRADER, Fire Bosses.

No. 20. *Monongah Mine No. 8.*—This mine is located on the north side of the West Fork River one half mile south of Monongah. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

A small quantity of gas is found in different places in the mine.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now being used.

With a full force of men and present mine development this mine is capable of producing 6330 tons per day.

The second opening meets all the requirements of the law.

There were eight non-fatal accidents in this mine. Three were caused by falls of slate; two, by accidents with cars; three were caused by incompetent men handling explosives which caused a blowing out shot.

A small percent of the coal mined by pick miners is shot on the solid.

Rules were posted, blankets and stretchers kept on hand.

This mine was reported last year as Monongah Mine No. 8, No. 19 of the printed report.

A map of this mine extended to Jan. 1907, has been furnished this office.

A. J. RUCKMAN, Supt.

J. M. McGRAW and PATRICK LAUGHNEY, Mine Bosses.
JOHN HYLAND and P. J. KEARNS, Fire Bosses.

No. 21. *Pennois Mine*.—This mine is located two miles south of Monongah on the M. R. division of the B. & O. R. R. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now being used.

The mine employs all pick miners and about 45 percent of the coal is shot on the solid.

With the present mine development and a full force of men this mine is capable of producing 3960 tons of coal per day.

There was one non-fatal accident in this mine. Both collar bones broken, caused by a fall of coal. This was caused by shooting on the solid.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan. 1907. has been furnished this office.

This mine was reported last year as Pennois Mine, No. 20 of the printed report.

RUSH MILLER, Supt.

JOHN RIGGINS and
ALBERT PARSON, Mine Bosses.

No. 22. *Marion Mine*.—This mine is located on the M. R. division of the B. & O. R. R. about two miles south of Monongah. It is in the Pittsburg vein of coal. This mine is worked out and was abandoned during the month of April, 1907.

This mine was reported last year as Marion Mine, No. 21 of the printed report.

RUSH MILLER, Supt.

HENRY WINNING, Mine Boss.

No. 23. *Anderson Mine*.—This mine is located about three miles south of Monongah on the M. R. division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now in use.

About 20 percent of the coal mined by the pick miners is shot on the solid.

With present mine development and a full force of men this mine is capable of producing 3670 tons of coal per day.

There were two accidents in this mine during the last year. One fatal, caused by a fall of slate. One non-fatal, broken leg, caused by carelessness in handling cars.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Anderson Mine, No. 22 of the printed report.

RUSH MILLER, Supt.

MILTON COBURN, Mine Boss.

No. 24. *Highland Mine*.—This mine is located three miles south of Monongah on the M. R. division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now in use.

About 35 percent of the coal mined by the pick miners is shot on the solid.

With the present mine development and a full force of men this mine is capable of producing 1616 tons of coal per day.

There were two accidents in this mine both non-fatal. One was caused by a fall of slate and the other by ignorance in handling cars.

The second opening meets all the requirements of the law.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Highland Mine, No. 23 of the printed report.

RUSH MILLER, Supt.

JOHN PRUNTY, Mine Boss.

No. 25. *Middleton Mine*.—This mine is located about three and one half miles south of Monongah on the M. R. division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned by the company and a good quality of oil known as the J. V. Lewis test is now in use.

About 15 per cent of the coal mined by pick miners is shot on the solid.

With the present mine development and a full force of men this mine is capable of producing 3740 tons of coal per day.

There was one fatal accident in this mine caused by a fall of coal.

The second opening meets all the requirements of the law.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Middleton Mine, No. 24 of the printed report.

RUSH MILLER, Supt.

BLAND COURTNEY, Mine Boss.

No. 26. *Chiefton Mine*.—This mine is located about four miles south of Monongah on the M. R. division of the B. & O. R. R. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now in use. There was one miner fined for the use of black strap oil for illuminating purposes.

About 20 percent of the coal mined by the pick miners is shot on the solid.

With the present mine development and a full force of men this mine is capable of producing 5180 tons of coal per day.

There was one accident in this mine. It was non-fatal and was caused by a fall of draw slate.

The second opening meets all the requirements of the law.

A map of this mine extended to Jan. 1907, has been furnished this office.

This mine was reported last year as Chiefton Mine, No. 25 of the printed report.

RUSH MILLER, Supt.

L. E. HENDERSON, Mine Boss.

No. 27. *Hutchinson Mine*.—This mine is located five miles south of Monongah on the M. R. division of the B. & O. R. R. It is a slope mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is only in a fair condition.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now in use.

All the miners are pick miners and about 30 percent of the coal mined is shot on the solid.

There were two accidents in this mine, both were fatal. One was caused by a fall of slate and the other crushed between car and rib.

The second opening meets all the requirements of the law.

A map of this mine extended to Jan. 1907, has been furnished this office.

With a full force of men and present mine development this mine is capable of producing 300 tons per day.

This mine was reported last year as Hutchinson Mine, No. 26 of the printed report.

G. W. FLEMING, Supt.

THOS. BURLOCK, Mine Boss.

THE VIRGINIA AND PITTSBURG COAL AND COKE COMPANY.

No. 28. *King Mine*.—This mine is located three and one half miles south of Fairmont on the Wheeling and Grafton division of the B. & O. R. R. It is a drift mine, operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. The ventilation was bad in the left section of the mine but has been rectified. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes was found to be in use.

All the miners are pick miners and a small per cent of the coal mined is shot on the solid.

With the present development and a full force of men this mine is capable of producing 2230 tons of coal per day.

There were two accidents in this mine. One fatal caused by a runaway trip; one not fatal, caused by a fall of coal.

The second opening meets all the requirements of the law.

Electric haulage has been established during the past year.

Concrete is now used instead of wood for brattices in this mine

A map of this mine extended to May, 1907, has been furnished this office.

Rules were posted, blankets and stretchers kept on hand.

This mine was reported last year as King Mine, No. 27 of the printed report.

R. M. HITE, Supt.

JOHN BROWN and
WILLIAM JARRETT, Mine Bosses.

GEORGES CREEK COAL AND IRON COMPANY.

Nos. 29 and 30. *Chatham Shaft Mines Nos. 1 and 2.*—This mine is located a quarter of a mile east of Underwood formerly called Farmington on the Weeling and Grafton division of the B. & O. R. R. No. 2 is a shaft mine and operating the Sewickley coal. This mine was temporarily abandoned during the past year.

No. 1 is a shaft opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

Gas is generated in small quantities in different places in the mine but is kept clear at the face of the working places by means of canvass brattices.

The powder used is a flameless powder known as Nyalite. All the coal is shot by men known as shot firers.

The oil used is a naptha oil in the Wolf safety lamp. With the present mine development and a full force of men this mine is capable of producing 6760 tons of coal per day.

The second opening meets all the requirements of the law.

There were five accidents in this mine. One fatal caused by a fall of pot of slate. Two non-fatal were caused by a fall of coal and two non-fatal by a fall of slate.

A map of this mine extended to June 1907, has been furnished this office.

These mines were reported last year as Chatham Mines Nos. 1 and 2, Nos. 28 and 29 of the printed report.

COL. R. L. SOMERVILLE, Gen. Mgr.

M. E. QUEENON and

JAMES DUITCH, Superintendent.

SAM'L WHINNIE, Mine Bosses.

E. L. GRIFFITH AND H. T. HALL, Fire Bosses.

FEDERAL COAL AND COKE COMPANY.

No. 31. *Federal No. 1 Shaft Mine.*—This mine is located on the Paw-

Paw branch of the B. & O. R. R., seven miles north of Fairmont. It is a shaft mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

Small quantities of gas are generated in different parts of the mine but is kept clear at the face of the working places by means of canvass brattices.

The powder used is a flameless powder known as Nyalite. All the coal is shot by men known as shot firers.

The oil used is a naptha oil in the Wolf safety lamp.

With present mine development and a full force of men this mine is capable of producing 2000 tons per day.

The second opening meets all the requirements of the law.

There were two fatal accidents in this mine. One man fell off of the cage to the bottom of the shaft; the other one was caused by an air pipe.

A map of this mine extended to July, 1907, has been furnished this office.

Rules were posted, blankets and stretchers kept on hand.

This mine was reported last year as Federal Shaft No. 1, No. 30 of the printed report.

FRED LEWIS, Supt.

THOS. WARDLE, Mine Boss.

JOHN RUSSELL AND LEWIS BARNHART, Fire Bosses.

NEW CENTRAL COAL COMPANY.

No. 32. *Stafford Shaft Mine*.—This mine is located about five miles north of Fairmont on the Paw Paw branch of the B. & O. R. R. It is operating the Pittsburg coal on the double entry system. It is a shaft mine and ventilation is produced by a fan and is good. Drainage is also good.

This mine is a natural generator of gas which is found in small quantities but is kept clear at the face of the working places by means of canvass brattices.

A flameless powder is used known as Nyalite.

All the coal is shot by men known as shot firers.

The oil used is a naptha oil burned in the Wolf safety lamp.

With the present mine development and a full force of men this mine is capable of producing 2000 tons of coal per day.

The second opening meets all the requirements of the law.

Two new 150 H. P. boilers have been added during the past year.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to June 1907, has been furnished this office.

This mine was reported last year as Stafford Shaft Mine, No. 31 of the printed report.

DUNCAN SINCLAIR AND GEORGE S. PHILIPS, Supts.

THOS. CLEASON, Mine Boss.

JOHN SHANDON and JOS. GREEN, Fire Bosses.

KILARM COAL AND COKE COMPANY.

No. 33. *Kilarm Mine*.—This mine is located on Coon's Run on a branch

of the M. R. division of the B. & O. R. R. about four miles south of Monongah. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and it is good. Drainage is bad along the main haulway. Recommendations have been offered concerning the drainage but they have not been heeded. Recommendations have been offered in regards to the timbering of the main entry as a part of this was found to be in a bad condition.

Great difficulty is encountered in this mine by rock roof cutting the coal entirely out in some of the workings. The coal is very irregular for the Pittsburg seam, varying in thickness from three to five feet.

All powder is carried into the mine in cans of five pounds capacity.

The use of a mixed oil has been abandoned and a fair quality of oil is now in use.

With a full force of men and present mine development this mine is capable of producing 500 tons per day.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as Kilarm Mine, No. 32 of the printed report.

C. E. ZEEK, Supt.

DAVID A. WILSON, Mine Boss.

PARKER RUN COAL & COKE COMPANY.

No. 34. *Parker Run Mine.*—This mine is located near Rivesville on the west side of the Monongahela river. It is a drift opening operating the Sewickley coal on the double entry system. The thickness of the coal averages six feet. Ventilation is produced by a furnace and is not good. A fan was recommended and the company has informed me that they have ordered said fan. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil was found to be in use.

With the present development and a full force of men this mine is capable of producing 136 tons per day. The present second opening does not meet the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as Parker Run Mine, No. 35 of the printed report.

J. H. MARTIN, Supt.

W. C. MARTIN, Mine Boss.

POWELL COAL AND COKE COMPANY.

Powell Mine.—For the present time this mine has been abandoned.

This mine was reported last year as Big Falls Mine, No. 33 of the printed report.

BIG FALLS COAL AND COKE COMPANY.

Big Falls Mine.—Abandoned for the present.

This mine was reported last year as Big Falls Mine, No. 33 of the printed report.

MONONGALIA COUNTY.

OPEKISKA COAL AND COKE COMPANY.

No. 35. *Opekiska Mine*.—This mine is located at Opekiska, eleven miles north of Fairmont on the Connellsville division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is natural and is bad. A fan was recommended. Drainage is not satisfactory. Recommended that the water be removed. The drift opening is in bad condition; it needs retimbering. It was recommended that it would be far better to put in a new opening and abandon the old haulway as all of it is in a bad condition.

All powder is carried into the mine in cans of five pounds capacity.

The oil is of a fair quality.

About 50% of the coal is shot on the solid. All the miners are pick miners.

With the present mine development and a full force of men this mine is capable of producing 528 tons per day.

There was one non-fatal accident in this mine. Back and legs bruised by a fall of coal.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as Opekiska mine, No. 36 of the printed report.

W. S. WOOD, Supt.

M. D. MURRAY, Mine Boss.

FAIRMONT COAL COMPANY.

No. 36. *Beechwood Mine*.—This mine is located at Beechwood 13 miles north of Fairmont on the Connellsville division of the B. & O. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. A part of this mine is naturally ventilated and a part is ventilated by a furnace and is fairly good. Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

The use of mixed oil has been abandoned and a good quality of oil known as the J. V. Lewis test is now in use.

About 20% of the coal mined by pick miners is shot on the solid. With the present mine development and a full force of men this mine is capable of producing 1440 tons per day.

The second opening meets all the requirements of the law.

There were three accidents all non-fatal in this mine. One in the mine caused by fall of shale or sandstone; the other two were both hurt on the outside of the mine: one while riding on a wagon and the other fell off of a horse.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office. This mine was reported last year as Beechwood mine, No. 37 of the printed report.

HARRY TOOTHMAN, Supt.

WALTER ROWE, Mine Boss.

ELKINS COAL AND COKE COMPANY.

No. 37. *Richard Mine No. 1.*—This mine is located on the Morgantown and Kingwood R. R. four miles south of Morgantown. It is a drift mine operating the Upper Freeport coal on the double entry system. Ventilation is produced by a fan and is good. Drainage only fair.

Just a trace of gas was found in the main dip entry.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes was found to be in use.

With the present mine development and a full force of men this mine is capable of producing 938 tons of coal per day.

Second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to May, 1907, has been furnished this office. This mine was reported last year as No. 1 mine, No. 38 of the printed report.

J. B. HANFORD, Supt.

O. T. BARNARD, Mine Boss.

J. S. MAXON, Fire Boss.

No. 38. *Sabraton Mine No. 5.*—This mine was formerly known as the Fulmer Mine, operated by A. C. Fulmer Company.

This mine is located two and one half miles east of Morgantown on the ridge leading to the Cheat River. The coal is delivered by an electric R. R. three quarters of a mile long to a tipple on the Morgantown and Kingwood R. R.

Ventilation is produced by a furnace and is only fair. A fan was installed in June which will undoubtedly rectify the former conditions. Drainage is only in a fair condition.

All powder is carried into the mine in cans of five pounds capacity

A fair quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 386 tons of coal per day.

There were two accidents in this mine; one fatal and the other non-fatal, both were hurt while handling cars.

The second opening meets all the requirements of the law

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to May, 1907, has been furnished this office.

J. B. HANFORD, Supt.

U. R. SMITH, Mine Boss.

CONNELLSVILLE BASIN COKE COMPANY.

No 39. *Connellsville or Deckers Creek Mine.*—This mine is located on the Morgantown & Kingwood R. R. four miles south of Morgantown. It is a drift mine operating the Upper Freeport coal on the double entry system. Ventilation is produced by a fan and is only fair but the company is installing another fan which will overcome the present system of ventilation. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil is used for illuminating purposes.

With a full force of men and present mine development this mine is capable of producing 492 tons per day.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office. This mine was reported last year as Deckers Creek Mine, No. 39 of the printed report.

E. F. SAXMAN, Gen. Supt.

DENNIS CONNELLY, Mine Boss.

J. R. CLARK, Supt.

GREAT SCOTT COAL AND COKE COMPANY.

No. 40. *Great Scott Mine.*—This mine is located on the west side of the Monongahela River, three and one quarter miles north of Morgantown. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is natural and is very poor. There is not any at the face of the working places. A fan has been recommended. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

A new tipple has been erected and switches constructed, and the coal will be delivered across the river by means of rope and bucket to the Connellsville division of the B. & O. R. R.

With the present development and a full force of men this mine is capable of producing 200 tons of coal per day.

The second opening meets all the requirements of the law.

No rules were posted, no blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as Great Scott mine, No. 41 of the printed report.

ALEX. H. TAIT, Supt.

A. G. TAIT, Mine Boss.

NIAGARA COAL AND COKE COMPANY.

No. 41. *Round Bottom Mine.*—This mine has not been in operation and no inspection has been made. Was reported last year as Round Bottom mine, No. 40 of the printed report.

MARSHALL COUNTY.

HITCHMAN COAL AND COKE COMPANY.

No. 42. *Hitchman Mine.*—This mine is located on the B. & O. R. R. at the southern extremity of Benwood. This mine is operating the Pittsburg coal on the double entry system. The coal is reached by a 15% slope, 850 ft. long. Ventilation is produced by a fan and is good.

The mine is equipped with electric machines and electric haulage. Power is furnished by two one hundred K. W. generators driven by two 15 by 15 McEwan engines. The means used to deliver the coal from bottom of the slope to tipple is known as endless rope haulage.

On the outside the company has a steel trestle about 1000 ft. long, on

the end of which is a coaling bin with a capacity of about 1000 tons, used for coaling B. & O. engines.

Just a trace of gas is found in this mine. Drainage is good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes was found to be in use.

With the present mine development and a full force of men this mine is capable of producing 3000 tons per day.

The second opening meets all the requirements of the law.

There was one fatal accident in this mine. The man instead of coming out the man way came up the empty track and was caught by a trip of empties. He afterwards died.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to May, 1907, has been furnished this office. This mine was reported last year as Hitchman mine, No. 42 of the printed report.

W. H. KOCH and E. C. PICKETT, Supts. JOHN HULL, Mine Boss.
CHAS. ISIGA AND ISAAC MURRAY, Fire Bosses.

BOGGS RUN MINING AND MANUFACTURING COMPANY.

No. 43. *Boggs Run Mine.*—This mine is located on the B. & O. R. R. in Benwood. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fair. Drainage is only fair.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil is used for illuminating purposes.

The second opening is only fairly good.

With present mine development and a full force of men this mine is capable of producing 288 tons per day.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine as required by law has been furnished this office. This mine was reported last year as Boggs Run Mine, No. 43 of the printed report.

PHILIP KUNZ, Supt.

EUGENE MILLER, Mine Boss.

WHEELING STEEL AND IRON COMPANY.

No. 44. *Benwood Mine.*—This mine is located on the B. & O. R. R. at Benwood. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good.

Small quantities of explosive gas are found at different places in the mine.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 1116 tons per day.

The second opening meets all the requirements of the law.

There were five accidents in this mine, one fatal caused by a fall of draw

slate; four non-fatal, two caused by fall of draw slate, one struck by a piece of iron, and one caused by firing shot.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to April, 1907, has been furnished this office. This mine was reported last year as Benwood mine, No. 44 of the printed report.

C. DAWSON, Supt.

WM. TURNBULL, Mine Boss.

GLENDALE COAL COMPANY.

No. 45. *Glendale Shaft Mine*.—This mine is located at Glendale on the B. & O. R. R. It is a shaft mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fair. Drainage is also only fair.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 1600 tons per day.

The second opening is in a fairly good shape.

There were two fatal accidents in this mine, both caused by a fall of draw slate.

Rules were posted, blankets and stretchers kept on hand.

Recommendations have been offered in regard to both ventilation and drainage.

There has been no map of this mine furnished this office as is required by law. This mine was reported last year as Glendale Shaft mine, No. 45 of the printed report.

W. H. KOCH and E. C. PICKETT, Supts.

GEO. ROBSON, Mine Boss.

MIKE FREEMAN, Fire Boss.

CLEARFIELD & OHIO RIVER COAL COMPANY.

No. 46. *Mound City or Moundsville Shaft*.—This mine is located on the B. & O. R. R. at the northern extremity of Moundsville. It is a shaft mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fair on account of water being in the air course as a result of the recent flood. Drainage is only fair. Recommendations have been offered in regard to ventilation and drainage and also in regard to timbering along the main haulway.

All the powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 600 tons per day.

The second opening is only in a fair condition.

There was one fatal accident caused by a fall of slate.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to April, 1906, has been furnished this office. This mine was reported last year as Moundsville shaft mine, No. 46 of the printed report.

R. Y. WILLIAMS, Supt.

FRANK CLEGG, Mine Boss.

JOS. OWENS, Fire Boss.

GLEN EASTON COAL AND COKE COMPANY.

No. 47. *Glen Easton Mine*.—This mine is located on Big Grave Creek at the southern extremity of Moundsville. It is a shaft mine operating the Pittsburg Coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is good. Gas has been found in dangerous quantities but is now kept clear by means of canvass brattices.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With present mine development and a full force of men this mine is capable of producing 400 tons per day.

As the bucket is not a safe and available way to escape from the mine in case of immediate danger, a cage has been recommended to be placed in the second opening.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to Jan., 1907, has been furnished this office.

This mine was reported last year as Monongah Mine, No. 2, No. 17 of printed report.

GEO. W. GEHRES and CHAS. FOX, Supts. WM. FOX, Mine Boss.

JAMES EXTON, Fire Boss.

BITUMINOUS COAL COMPANY OF AMERICA.

No. 48. This mine is a shaft which is just being sunk, but has not as yet reached the coal.

O. K. WARD, Supt.

OHIO COUNTY.**JOCHUM & COMPANY.**

No. 49. *Central or Jochum Mine*.—This mine has been operated for the past three years only by the men that own it and it does not come under the jurisdiction of the law.

JOHN JOCHUM, Supt. and Mine Boss.

RICHLAND COAL COMPANY.

No. 50. *Richland Mine*.—This mine is located about one mile north of Wheeling on a branch of the P. C. C. & St. L. R. R. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is fairly good. Drainage is only fair through the mine.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With present mine development and a full force of men this mine is capable of producing 756 tons per day.

The second opening is fairly good.

There was one fatal accident in this mine caused by a fall of draw slate.

Rules were posted, blankets and stretchers kept on hand.

A map of this mine extended to July, 1907, has been furnished this office. This mine was reported last year as Richland mine, No. 49 of the printed report.

P. L. EVANS and PAUL LEONARD, Supts. CHAS. AITKEN, Mine Boss.

THE ELM GROVE COAL COMPANY.

No. 51. *Elm Grove Shaft Mine*.—This mine is located at Elm Grove on the B. & O. R. R. It is a shaft mine operating the Pittsburg coal on the double entry system. It is ventilated by a fan and is now good.

Drainage is also good.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With present mine development and a full force of men this mine is capable of producing 520 tons of coal per day.

There was one fatal accident, caused by coming in contact with a live electric wire.

Rules were not posted, blankets and stretchers were not kept on hand.

No map of this mine has yet been furnished this office although they have been repeatedly notified.

The second opening is fairly good.

The Elm Grove Coal Company was enjoined from operating their mine contrary to the mining law by the Circuit Court of W. Va., 1st District. Having complied with the injunction, permission was given to resume operation. This mine was reported last year as Elm Grove mine, No. 50 of the printed report.

J. B. CHAMBERS, Supt.

PETER LOWTHER, Mine Boss.

REYMANN BREWING COMPANY.

No. 52. *Manchester Mine*.—This mine is located in East Wheeling on the Wheeling and Lake Erie R. R.. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is good. Drainage is also good.

All powder is carried into the mine in cans of five pound capacity.

A good quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 100 tons of coal per day.

The second opening meets all the requirements of the law.

Rules were posted, blankets and stretchers were kept on hand.

A map of this mine has been furnished this office but it is so old that you cannot find the date on it.

This mine was reported last year as Manchester mine, No. 51 of the printed report.

C. C. SCHMIDT, Supt.

JOHN DONAHUE, Mine Boss.

WHEELING STEAM COAL COMPANY. .

No. 53. *Wheeling Steam or McKinley Mine*.—This mine is located in East Wheeling on the Wheeling & Lake Erie R. R. It is a drift mine oper-

ating the Pittsburg coal on the double entry system. The ventilation is produced by a furnace and is only fair. Drainage is also only fair. The roof in this mine is bad in some portions but it is very well timbered.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With the present mine development and a full force of men this mine is capable of producing 200 tons per day.

The second opening is only fair.

Rules were posted, but no blankets or stretchers kept on hand.

No map since June, 1904, has been furnished this office.

This mine was reported last year as Wheeling Steam mine, No. 52 of the printed report.

PAUL LEONARD, Supt.

ALBERT ROSE, Mine Boss.

WHITAKER-GLESSNER COMPANY.

No. 54. *Carter or Whitaker Mine*.—This mine is in East Wheeling on the Wheeling and Lake Erie R. R. It is a drift opening operating the Pittsburg coal on the double entry system. Ventilation is produced by a fan and is only fair but since a larger motor has been connected to the fan, ventilation is good.

The powder is carried into this mine in original kegs but was ordered to be stopped.

A fair quality of oil was found to be in use for illuminating purposes.

With the present mine development and a full force of men this mine is capable of producing 150 tons per day.

The second opening is in bad condition. It was recommended that the old rooms between your mine and the old Belmont mine be bratticed off to exclude the black damp entering there. Also that the main haulway be timbered as it is in a bad condition. This timbering is now being done. About one half of it is now completed.

Rules were posted, blankets and stretchers kept on hand.

No map of this mine has yet been furnished this office.

This mine was reported last year as Whitaker Mine, No. 53 of the printed report.

W. H. KASLEY, Supt.

W. H. MAGRUDER, Mine Boss.

LA BELLE IRON WORKS.

No. 55. *La Belle Mine*.—This mine is located on the south side of Caldwell's Run in Wheeling. This is an old mine but has not been in operation for some time before this year and has not been in operation all of the present year. It is a drift mine operating the Pittsburg coal on the double entry system. Ventilation is produced by a furnace and is only fair. A fan has been recommended. Drainage is bad. Recommendations have been offered in regard to drainage.

All powder is carried into the mine in cans of five pounds capacity.

A fair quality of oil for illuminating purposes is in use.

With the present development and a full force of men this mine is capable of producing 150 tons per day.

The second opening is only in a fair condition.

Rules were posted, but no blankets or stretchers kept on hand.

No map of this mine has yet been furnished this office.

P. J. HARRIGAN, Supt.

W. H. BLON and J. BLONDIN, Mine Bosses.

J. S. CREIGHTON.

No. 56. *Creighton Mine*.—This mine is operating the Pittsburg coal, is ventilated by a fan, furnishes coal for the local trade, employing only a few men, and did not come under the jurisdiction of the mine law.

J. S. CREIGHTON, Supt.

DANIEL SHAW, Mine Boss.

PETER STORCH & SONS.

No. 57. *Storch Mine*.—This mine only employs five men, and did not until the latter part of May, 1907, come under the jurisdiction of the Mine Law.

PETER STORCH, Supt. and Mine Boss.

SECOND DISTRICT

GENERAL SUMMARY OF THE SECOND DISTRICT FOR THE YEAR
ENDING JUNE 30, 1907.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.								Production of		
			Inside.					Outside.			Sum Total.	Coal (tons of 2,240 lbs)	Coke (tons of 2,000 lbs)
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.			
Barbour	22	..	285	289	67	250	841	175	67	242	1,083	776,245	34,080
*Gilmer.....	1	..	3	..	..	2	5	2	..	2	7	312	.....
Harrison ...	67	8	583	1,141	309	817	2,850	549	40	589	3,439	3,343,319	22,390
Lewis.	3	..	14	..	..	3	17	4	....	4	21	5,528	.....
Taylor	15	1	265	56	7	88	416	98	5	98	514	416,188	1,747
Upshur.....	5	12	87	16	6	18	77	28	8	86	118	39,502	2,100
Totals. ..	118	21	1,187	1,502	389	1,178	4,206	851	120	971	5,177	4,581,044	60,267

*The mines in Gilmer County were inspected by the Inspector of the Fourth District.

OFFICE OF SECOND DISTRICT MINE INSPECTOR,
Clarksburg, W. Va., August 18th, 1907.

HON. J. W. PAUL,
Chief of the Department of Mines,
Charleston, West Virginia,

DEAR SIR:—I have the honor in compliance with the law creating the department of mines in the State of West Virginia to submit to you my annual report for the year ending June 30th, 1907. This the 2nd District, is composed of the following Counties, viz.: Barbour, Calhoun, Doddridge, Harrison, Lewis, Ritchie, Taylor, Upshur, Webster and Gilmer. The above named counties have all told, 113 openings including those reported last year not being in operation, and several new ones being made which have not reached that stage of development which would classify them as commercial mines, but the working plans and the property of these new operations have been looked over by the writer. The above named counties have openings as follows: Barbour 22, Harrison 67, Lewis 3, Taylor 15, Upshur 5, Gilmer 1. Total 113.

I am pleased to report to you that the sanitary condition of the mines in this district with few exceptions have very much improved since my last report, as the majority of the mines in this District are being better taken care of in the way of constructing more serviceable stoppings, which separate the air currents and mine officials are taking more interest in the proper distribution of the air than they formerly did. The majority of them have Anemometers and I am gratified to see the interest taken, and also the great improvements made since my last report.

With few exceptions the mines working the famous Pittsburg seam have a top, that when all the coal has been moved and no head coal left and the overlying strata is exposed to the air that it disintegrates to such an extent as to make it very dangerous, especially so in the heated summer months, when the air is full of moisture. This condition makes it also very expensive on the operators to keep the air courses clean in such a manner as to properly ventilate the mine and also makes it necessary for the Inspector on making an examination as well as the officials who have charge of the mine to travel air courses as well as the haulways and see to it that all falls that are impediments to the passing air be removed. This is not the case however with the Freeport Mines for they as a rule have a very good top.

Several of the mines of this District are inclined to be dry and dusty so much so that if it was not for the system of wetting which I have insisted on that in a very short time in my judgment a dangerous accumulation would be found, which under favorable conditions would cause a disastrous explosion, but I have used much insistence both orally and with my certificates that these dry mines and dry sections of mines be kept properly wet, in such a manner to prevent dangerous accumulations of dust, and in most cases have had the hearty co-operation of the officials on the ground, but in a few instances I have had both ignorance and obstinacy to contend with, but happily as yet have not had to resort to legal proceedings to have the law complied with in this respect.

The class of labor employed in mines of this District have not materially changed since my last report, and very much the same conditions is found in this respect, and investigations of causes of fatal accidents, have revealed nothing to cause me to change opinions expressed in that report, but I hope by rigid enforcement of the recent enactments to at least minimize the fatal accidents and I have the assurance of the most of the operators in this District that they will heartily co-operate with me in the enforcement of the new laws when they become operative.

• Solid shooting is not practiced in this district at this time to a very great extent as the present rules of the operating Companies forbid it except under lawful provisions which will be in effect in a few days. The Powder used for shooting the coal is taken into the mines in metallic cannisters not to exceed five pounds capacity in all the mines in this District.

The quality of illuminating oil used inside by the workmen has been greatly improved since last report, as a number of the operators as well as a large number of the workmen co-operated with the Inspector to have the laws complied with, and the result is that little oil of an inferior grade is used inside at this time. There has been quite a number of new operations started since my last report but with the exceptions of five, they are as yet not shipping coal. The five mines which are shipping coal at this time are the Adrian mine on the Coal & Coke R. R., three miles West of Sago in Upshur county. Sarah B No. 1 mine at Jacksonville, Lewis county, on the Coal and Coke R. R. The Naomi mine belonging to the Jane Lew Coal and Coke Co. at McWhorter, Harrison county, West Virginia, on the West Virginia and Pittsburg Branch of the B. & O.

R. R. The Moore Mine belonging to the Central Fairmont Coal Company at Clarksburg, Harrison County, West Virginia, and The Winona Coal and Coke Company's Mine at Coffman, Taylor County, West Virginia $4\frac{1}{2}$ miles north-west of Grafton. There are quite a number of other new operations started which will be detailed to you under the head of condition of mines in the 2nd District and will not receive special mention in this letter.

I am well pleased with the new enactments and think that rigid enforcements of the same will prove very beneficial to miners and operators and it is with a great deal of satisfaction that I have noticed the very apparent interest taken by the operators of this district in having a perfect understanding of the new laws with a view of having them fully complied with. A good portion of the past year the writer has been laboring under the most adverse and unfavorable circumstances on account of serious illness of his family and has not accomplished as much as he had desired, but in most instances he has received most hearty co-operations of both miners and operators, and in conclusion I wish to thank the miners and the operators of the District for the assistance and many courtesies received at their hands, and also thank you for the advice and assistance rendered which is fully appreciated on my part.

FRANK E. PARSONS,

Inspector of Mines, Second District of West Virginia.

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CONDITION OF THE MINES IN THE SECOND DISTRICT.

BARBOUR COUNTY.

DAVIS COLLIERY COMPANY.

No. 58. No. 4 or Junior No. 1, Upper Freeport, Drift.

This mine is located 5 miles north east of Belington on the W. M. R. R. It is opened up on the double entry system and the ventilation is produced by a 16 foot fan. It is good throughout the mine. No gas has ever been found in these works. The top or overlying strata is exceedingly bad and requires very careful attention, which is only fairly well looked after. This operation manufactures an exceedingly high grade of coke having a plant of 51 ovens of the Bee Hive Type. All of which were in operation on date of last visit. The coal is mined by pick and hauled to the junction with mules from thence it is taken to the tipple by the head rope system. This mine complied with the law in every respect on date of last visit. With a full force of men and the present equipment this mine is capable of producing 700 tons per day.

This mine was reported last year as Colliery No. 4, No. 54 of the printed report.

H. C. HASKINS, Superintendent.

J. M. KNAGGS, Mine Foreman.

PHILIPPI COLLIERIES COMPANY.

Nos. 59, 60, 61 and 62. *Meriden Nos. 1, 2, 3 and 4 Upper Freeport Seam Drifts.*

These mines are located 1½ miles north of Philippi on the G. & B. Branch of the B. & O. R. R. They are ventilated by an 18 foot fan of the blower type and the ventilation has always been found good. They are opened up on the double entry system. These four natural and distinct openings are connected under ground. Two tipples have been constructed one being at the mouth of No. 2 opening and the other being at the mouth of No. 4 opening, but during the past year the coal has all been hauled and dumped over the tipple which stands at the mouth of No. 2 opening. The coal is cut and hauled by electricity. These mines are very dry and dusty and it has been with a very great deal of insistence on the inspector's part that the dust has been properly wet, as they formerly mined the coal by electric machines of the chain type and stored the dust on the inside, this being considered dangerous by the inspector it was ordered immediately stopped, which was done, also a large quantity of the dust was removed from these mines to the outside, and two sprinkling cars were made for the purpose of wetting the mine, which I have been informed by the workmen and by the management has been done. This Company is at the present time in the hands of a receiver. This is a coke plant having 50 ovens of the Bee Hive type which were in blast on date of last visit and I was informed that the product gave very good satisfaction to their customers. The State Mine Law was being observed at this plant. With the present equipment and with a full force of men this mine is capable of producing 1500 tons daily. These mines were reported last year as Meriden Nos. 1, 2, 3 and 4, Numbers 55 and 56 of the printed report.

C. H. ULERY and O. D. STRADER, Superintendents.

JOHN McDONELL and THOS. McDONELL, Mine Foremen.

No. 63. *Meriden No. 5 Mine, Mahoning Seam Drift.*

This mine is located 1¼ miles north of Philippi on the G. & B. branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which on date of last visit was natural was very sluggish throughout the mine. The top is good and the timber is being carefully looked after. It is undercut by machines of the electric type and is hauled to a temporary tipple by mules. The product of this mine is used exclusively for the manufacture of coke. On date of last visit this mine was found very dry and dusty and it was found necessary to recommend that it be kept very wet in order to prevent a dangerous accumulation of dust. With the present mine development and a full force of men this mine is capable of producing 200 tons daily. This mine was reported last year as Meriden No. 5, No. 57 of the printer report.

C. H. ULERY and O. D. STRADER, Superintendents.

THOS. McDONELL, JAMES RIGGINS and T. C. HULTON, Mine Foremen.

TYGARTS RIVER COAL COMPANY.

No. 64. *Arden Mine, Upper Freeport Seam. Drift.*

This mine is located 8½ miles north of Philippi on the G. & B. Branch of the B. & O. R. R. It is opened up on the double entry system and

the ventilation which is produced by a 12 foot fan has always been found fairly good throughout the workings. The top is exceedingly good and timbering is carefully looked after. Some sections of the mine is dry and dusty and was recommended by the inspector to be kept thoroughly wet. The coal is undercut by compressed air machines of the puncher type and is hauled to the junction on the inside with mules and is lowered to the tipple by a tail rope. General safety is good. The mine laws are being complied with. With the present mine development and with a full force of men this mine is capable of producing 600 tons per day. This mine was reported last year as Arden Mine, No. 58 of the printed report.

CHAS. A. COOK, Supt.

CHAS. CRONK and H. V. HOFFMAN, Mine Foremen.

SOUTHERN COAL AND TRANSPORTATION COMPANY.

No. 65. *Berryburg Mine, Pittsburg Seam, Drift.*

This mine is located 6 miles north east of Philippi on a branch of the G. & B. branch of the B. & O. R. R. and known as the Berryburg branch. It is opened up on the double entry system and the ventilation which is produced by a 11 foot fan has been greatly improved during the past year, by reason of the construction of concrete brattices along main haulways and by reason of other improvements made in the air courses and etc. This mine generates Marsh Gas in some sections of the mine, but on dates of visit was being fairly well taken care of by means of wooden brattices, but my certificate recommended that concrete brattices be constructed in this section of the mine, which was done as I am informed by the management. This mine is also very dry and dusty in some sections, and my certificates have recommended that these sections be kept thoroughly wet at all times so as to prevent a dangerous accumulation of dust. The coal is undercut by machines of both the compressed air and chain electric type, and is hauled to the tipple by electric motors. The top in this mine is of a dangerous character and requires very careful timbering which is being fairly well looked after. State Mine Law is being complied with. With a full force of men and with present equipment this mine is capable of producing 2000 tons daily. This mine was reported last year as Berryburg, No. 59 of the printed report.

W. W. FERGUSON, Superintendent.

LEE COTRILL, Mine Foreman.

ALLEN FARRENCE AND JOHN HEDRICK AND OTHERS, Fire bosses.

LAUREL CREEK COAL COMPANY.

No. 66. *Laurel Creek Mine, Upper Freeport Seam, Drift.*

This mine is located 9 miles north of Philippi on the G. & B. branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation is produced by a Firebasket which has always been found ample to fully comply with the State Mine Law. The top is exceedingly good throughout this mine and timbering is carefully looked after. Some sections of this mine was found to be dry and dusty and was recom-

mended by my certificate to be kept thoroughly wet. The coal is undercut by picks and hauled to the drift mouth by means of mules and lowered to the tibble by gravity plane. The State Mine Law is being complied with. With the present mine development and with a full force of men this mine is capable of producing 250 tons daily.

This mine was reported last year as Laurel Creek Mine, No. 60 of the printed report.

W. S. BRYDON, Superintendent.

C. B. TREMBLE, Mine Foreman.

THE CENTURY COAL COMPANY OF WEST VIRGINIA.

No. 67. Century Shaft Mine No. 1, Red Stone Seam. Shaft.

This mine is located 6 miles from Lemly Junction on a branch of the Belington and Buckhannon branch of the B. & O. R. R. It is opened up on the triple entry system. The ventilation which is produced by a twenty foot fan has always been found good. Marsh Gas is generated in several sections of this mine and it was found necessary on date of last visit to recommend to the management, that concrete brattices be constructed on the Butt or room entries, so as to insure good ventilation throughout the working sections of the mine, and enable them to properly take care of any dangerous accumulation of gas that they might encounter. This I am informed, they are at this time carrying out. Some sections of this mine also is very dry and dusty especially so in the winter time. It was found necessary to recommend to them that these sections be kept thoroughly wet. The top is exceedingly good in some sections of this mine and in other sections it is exceedingly bad. The drainage is exceedingly good in most sections but in a few sections of the mine it was exceedingly bad. Proper recommendations were made to the management to take care of this water. The coal is undercut and hauled by electricity. This is one of the model mines of this region as all of its machinery and equipments are the latest designs, the State Mine Law is being complied with. With a full force of men and the present mine equipment this mine is capable of producing 1800 tons daily.

This mine was reported last year as Century Shaft No. 1, No. 61 of the printed report.

JOHN STROTHER, Superintendent.

ED. WILLIAMS, Mine Foreman.

WM. CORDER, Fire Boss.

No. 68. Century Mine No. 2, Redstone Seam, Drift.

This mine is located 4 miles from Lemly Junction on the branch of the Belington and Buckhannon branch of the B. & O. R. R. This mine is opened up on the double entry system and the ventilation which is produced by a furnace has always been found sufficient to fully comply with the state mine law. Drainage is bad in some sections of this mine on account of the main entry being driven to the dip. The roof is only fair and timbering is being carefully looked after. This mine has not been in operation to any extent during the last year. No gas has ever been found in the mine and the State Mine Law is being fully complied with. With a full force of men and with the present equipment and de-

velopment this mine would be capable of producing 200 tons daily. This mine was reported last year as Century Drift, No. 62 of the printed report.

JOHN STROTHER, Supt.

ED. WILLIAMS, Mine Foreman.

GRAFTON FUEL COMPANY.

No. 69. Lillian Mine No. 1. Mahoning Seam, Drift.

This mine is located 5 miles south of Philippi on the G. & B. Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a fire basket has always been found to fully comply with the State Mine Law. This mine is very dry and dusty in some sections and it was found necessary to recommend that it be kept thoroughly wet. In such a manner to prevent a dangerous accumulation of dust. The top is exceedingly good throughout the mine, and timbering is being carefully looked after. The coal is undercut by compressed air machines of the puncher type and hauled to the drift mouth by mules and lowered to the tippie by traction plane. With a full force of men and with the present equipment this mine is capable of producing 300 tons daily.

This mine was reported last year as Lillian No. 1, No. 63 of the printed report.

W. S. BRYDON, Supt.

FANK ROBINSON, Mine Foreman.

G. L. CAMPBELL, Asst. Supt.

No. 70. Lillian Mine No. 2. Upper Freeport Seam, Drift.

This mine is located 5 miles south of Philippi on the G. & B. Branch of the B. & O. R. R. It is opened up on the triple entry system. Ventilation is produced by a fire basket and has always been found ample. This mine is dry and dusty in some sections and it was found necessary to recommend that these sections be kept thoroughly wet to prevent dangerous accumulations of dust. The coal is undercut by compressed air machines of the puncher type and hauled to the tippie by mules. The top is exceedingly good in all or nearly all sections of the mine. The State Mine Law is being fully complied with. With the present equipment and with a full force of men this mine is capable of producing 400 tons daily.

This mine was reported last year as Lillian No. 2, No. 64 of the printed report.

W. S. BRYDON, Supt.

FRANK ROBINSON, Mine Foreman.

G. L. CAMPBELL, Asst. Supt.

No. 71. Lillian Mine No. 3. Lower Freeport Seam, Drift.

This mine is located 5 miles south of Philippi on the G. & B. Branch of the B. & O. R. R. This mine has not been in operation to any extent during the past year. It is opened up on the single entry system and when working but two men were employed on the inside. On date of last visit was found idle. There is no prospect of an early resumption as conditions on the inside were very unfavorable to profitable mining.

This mine is capable of producing from 8 to 10 tons daily. This mine was reported last year as Lillian No. 3 mine, No. 65 of the printed report.

W. S. BRYDON, Supt.

FRANK ROBINSON, Mine Foreman.

G. L. CAMPBELL, Asst. Supt.

THE PENNSYLVANIA COAL AND MINING COMPANY.

No. 72. *Adma Mine, Lower Freeport Vein, Drift.*

This mine is located 9 miles south of Phillippi on the G. & B. Branch of the B. & O. R. R. This mine is opened up on the double entry system and the ventilation which is produced by an open grate was found only fair. The roof is exceedingly good and the timbering is being carefully looked after. Coal is being undercut with picks and hauled to the drift mouth with mules and lowered to the tipple by traction plane. State Mine Law is being complied with. The condition in this mine has been very unfavorable as they encountered a very bad fault or displacement but on date of last visit the management was very much encouraged as the prospects seemed to be improving. With a full force of men and with the present development this mine is capable of producing 100 tons daily.

This mine was reported last year as Adma, No. 66 of the printed report.

H. M. WETZEL, Supt.

J. PITTMAN AND

JOHN ENSMINGER, Mine Foremen.

DAVIS COAL AND COKE COMPANY.

No. 73. *Weaver Mine No. 3, Upper Freeport Seam, Drift.*

This mine is located seven and a half miles south-east of Belington on the Belington and Beaver Creek Valley R. R. It is opened up on the double entry system and the ventilation is natural as there are several openings to the outside with quite a difference in elevations between the openings. The conditions are very favorable for natural ventilation, should they comply with the law, in reference to having cross-cuts regularly cut and at least two entries paralleling each other, but on date of last visit I found they were not complying with the law in these respects and found it necessary to ask the management to stop several of the working places until they could get proper ventilation which they promptly did. The roof in this mine is exceedingly good throughout, as they are maintaining three foot of head coal. The grades are very steep in many cases reaching as much as 10 percent. Coal is undercut with picks and hauled to the tipple by mules. With the present development and equipment this mine is capable of producing 200 tons daily.

This mine was reported last year as Weaver No. 3 Mine, No. 69 of the printed report.

M. L. GARVEY, Supt.

J. A. LAKE, Mine Foreman.

No. 74. *Weaver No. 4 or Dartmoor Mine, Upper Freeport, Slope.*

This mine is located 3 miles south of Belington on the Western Mary-

land R. R. It is opened up on the double entry system and the ventilation which is produced by a furnace is only fair. The drainage is very bad. The roof is bad. Timbering fairly well looked after. On dates of visits but very few men were found working on the inside. Do not think that they have ever exceeded ten men on the inside as the conditions are rather bad for profitable mining. The second opening at this mine would not comply with the law in case they exceeded twenty men on the inside, otherwise the law was being complied with. With the present development and equipment this mine is capable of producing 100 tons daily.

This mine was reported last year as Weaver No. 4 Mine, No. 68 of the printed report.

M. L. GARVEY, Supt.

J. L. JEFFERYS, Mine Foreman.

MILLER COAL AND COKE COMPANY.

No. 75. Sara Mine, Upper Freeport Seam, Drift.

This mine is located three-fourths of a mile south of Junior on the Western Maryland R. R. It is opened up on the double entry system and the ventilation which is produced by a 7 foot fan is exceedingly good throughout the workings. Drainage is fair. The roof is fair and timbering is being carefully looked after. Coal is undercut with electric machines of the chain type. The coal is hauled to the tibble by electric motor. At date of last visit they were starting the construction of 20 coke ovens of the Bee Hive type. With a full force of men and present equipment this mine is capable of producing 250 tons daily.

This mine was reported last year as Sara Mine, No. 70 of the printed report.

J. W. S. MILLER, Supt.

Wm. KOOSER, Mine Foreman.

PENNSYLVANIA FUEL COMPANY.

No. 76. Volga No. 1 Mine, Mahoning Seam, Shaft.

This mine is located 1 mile from Lemley Junction on the Belington and Buckhannon branch of the B. & O. R. R. It is opened up on the double entry system. Ventilation is produced by a 7 foot fan. Coal is undercut by compressed air machines of the puncher type. This mine has not been in operation during the past year, and no regular inspection has been made during the past year for this reason. With a full force of men and with the present mine development this mine would be capable of producing 100 tons daily.

This mine was reported last year as Volga No. 1 Mine, No. 71 of the printed report.

W. S. SHRADER, Supt.

D. E. BROWN, Mine Foreman.

MIDLAND COAL AND COKE COMPANY.

No. 77. Midland Mine, Upper Freeport Seam, Shaft.

This mine is located three-fourths of a mile north-east of Hackers Junction on a branch off of the Berryburg branch off of the B. & O. R. R. It

is opened up on the double entry system and on date of last visit the ventilation was natural as they have not yet completed the installation of the fan which they were busy at doing on date of last visit. They were also installing an up to date electric equipment for the purpose of undercutting and hauling the coal. They have completed 100 coke ovens of the Bee Hive type, also have built a washer for the purpose of washing the coal. This plant when completed will be one of the model mines of this region as conditions on the inside are very favorable for its successful operation other than quite a large quantity of water accumulates in the mine which will necessarily have to be handled with pumps which will add to the cost of mining. The mine on date of visit had developments sufficient to produce 100 tons of coal daily but should, when they complete their electric plant, have development enough to produce 300 tons daily.

This mine last year was reported as Midland Shaft, No. 72 of the printed report.

H. M. CRAWFORD, Supt.

G. W. DAWSON, Mine Foreman.

VALLEY COAL AND COKE COMPANY.

No. 78. *Valley Mine, Upper Freeport Seam, Drift.*

This mine is located one and one half miles north of Belington on the Belington branch of the B. & O. R. R. and has not been in operation during the past year.

This mine was reported last year as Valley Mine, No. 73 of the printed report.

F. A. COLEMAN, Supt.

CLEMENTS COAL AND COKE COMPANY.

No. 79. *Clements Mine, Lower Freeport Seam, Drift.*

This mine is located 12 miles south of Philippi on the G. & B. branch of the B. & O. R. R. and is opened up on the double entry system. The ventilation is produced by a fire basket. This mine has not been in operation during the past year and on date of last visit on inquiry I could learn nothing as to an early resumption of this mine. With the present equipment and development this mine would be capable of producing 100 tons daily.

This mine was reported last year as Clements Mine, No. 67 of the printed report.

W. P. HURST, Supt.

HARRISON COUNTY.

CLARKSBURG FUEL COMPANY.

No. 81. *Pinnickinnick Mine, Pittsburg Seam, Drift.*

This mine is located 1 mile east of Clarksburg on the B. & O. R. R. It is opened up on the double entry system and the ventilation which is

produced by a 16 foot fan is good throughout the mine, no gas was ever discovered in this mine. The coal is undercut by machines of both the electric chain cutter and compressed air puncher types. The coal is hauled to the junction on the inside by electric motor it is taken thence to the tibble by engine plane with the endless rope system. The roof in this mine is rather dangerous being draw slate but the timbering is being carefully looked after. All loose and over-hanging slate along haul-way is being taken down and removed. All the employes burn oil sold them by the operating company, which meets the requirements of the State Mine Law. All other State Mine Laws are being well observed at this time. With the present mine development and equipment and with a full force of men this mine is capable of producing 1800 tons daily.

This mine was reported last year as Pinnickinnick Mine, No. 75 of the printed report.

J. H. NUZUM, Supt.

THOS. POLLOCK, Mine Foreman.

LOUIS DORSEY, Asst. Mine Foreman.

No. 82. Fall Run Mine, Pittsburg Seam, Drift.

This mine is located three miles north of Clarksburg on the M. R. division of the B. & O. R. R. It is ventilated from Pinnickinnick Mine. The ventilation of which is only fair but it will be necessary in the very near future to install a fan for the proper ventilation of the mine. The roof is only fairly good throughout the mine. The timbering is being promptly looked after. The coal is undercut by the electric chain cutter and hauled to the tibble by an electric motor which has been installed since my last report. This mine meets with all the requirements of the State Mine Law. With the present mine development and with a full force of men and present equipment this mine is capable of producing 1200 tons daily.

This mine was reported last year as Fall Run Mine, No. 76 of the printed report.

H. H. WATSON, Supt.

E. G. VINCENT, Mine Foreman.

No. 83. Dixie Mine, Pittsburg Seam, Drift.

This mine is located two miles south of Clarksburg on the West Virginia & Pittsburg Branch of the B. & O. R. R. The ventilation which is produced in some sections of this mine by a furnace and in other sections natural has always been found sufficient to fully comply with the law. No gas has ever been found in this mine. The road ways are very muddy by reason of the drainage being rather bad and the bottom being very soft. The top is very bad. The overlying strata being very soft which disintegrates and falls badly during summer months. Timbering is carefully looked after in the working places. The condition along the main haulways in this mine is very bad as to timbering. This mine with the present equipment and with a full force of men is capable of producing 200 tons daily.

This mine was reported last year as the Dixie Mine, No. 77 of the printed report.

GEO. W. ELIASON, Supt.

GEO. W. ELIASON, Mine Foreman.

No. 84. *Two Lick Mine, Pittsburg Seam, Drift.*

This mine is located six miles south of Clarksburg on the W. Va., & Pittsburg Branch of the B. & O. R. R. The ventilation which is produced by a 7 foot Stine fan which has been recently re-installed which gives much better results is good throughout the mine. This mine liberates small quantities of Marsh gas but was being well taken care of on date of my last visit by means of ample ventilation. Great improvement has been made during the past year in drainage at this mine. The ditch mentioned in last report being completed, which prevents a re-occurrence of the flooding before mentioned. The roof in some sections of this mine is exceedingly good and in other sections it is dangerous. Timbering is being carefully looked after. Coal is being undercut and hauled by electricity. The oil which is sold by the operative company and used by the employes meets with the requirements of the law. The Mine Laws are being well observed at this mine. With the present development and equipment this mine is capable of producing 1200 tons daily.

This mine was reported last year as Two Lick Mine, No. 78 of the printed report.

LOWELL CHILDS, Supt.

CHAS. GANDY, Mine Foreman.

No. 85. *Interstate Mine No. 1, Pittsburg Seam, Drift.*

This mine is located nine miles south of Clarksburg on the W. Va., & Pittsburg Branch of the B. & O. R. R., and during the past year has not been in operation. A force of men were engaged for a short time to clean up with a view for operating but for some reason unknown to the inspector work was stopped and at this time the mine is idle.

This mine was not reported last year.

LOWELL CHILDS, Supt.

B. H. MONROE, Mine Foreman.

LEWIS KEENER, Asst. Supt.

No. 86. *Interstate Mine, Pittsburg Seam, Drift.*

This mine is located nine miles south of Clarksburg on the W. Va., & Pittsburg Branch of the B. & O. R. R. It is opened up on the triple entry system. The ventilation which is produced by a 15 foot fan meets fully the requirements of the law. No gas has ever been found. The coal is cut by compressed air puncher machines and is hauled to drift mouth by mules and horses. The roof in this mine in large sections is exceedingly good, and in other sections it is of a very dangerous character. Timber is being well looked after. The oil meets the requirements of the law. All other State Mine Laws are being complied with at this mine. With a full force of men this mine is capable of producing 1200 tons daily.

This mine was reported last year as Interstate Mine, No. 79 of the printed report.

LOWELL CHILDS, Supt.

JESSE THOMAS, Mine Foreman.

LEWIS KEENER, Asst. Supt.

No. 87. *O'Neil Mines, Nos. 1, 2, 3 and 4, Pittsburg Seam, Drift.*

These mines are located five miles west of Clarksburg on the B. & O.

R. R. They are opened up on the double entry system. The ventilation is produced by two 10 foot curve blade fans and has always been found to fully comply with the State Laws. The roof coal is maintained throughout this mine, as the overlying strata is of a very dangerous nature when exposed to the air. The present operation is confined to No. 4 drift. These mines are all connected under ground. The drainage is fairly good throughout. No gas has ever been found in these mines. Timbering is very carefully looked after. This mine was formerly ventilated by one fan only but on recommendation of the inspector the additional fan was installed. The coal in these mines is undercut by compressed air machines of the puncher type. Hauled to the tipple by mules and horses. The oil sold by the operating company and used by the employees meets fully the requirements of the State Mine Law. Mine laws are being well observed at these mines and with the present equipment and a full force of men they are capable of producing 1000 tons daily.

These mines were reported last year as O'Neil Nos. 1, 2, 3 and 4, No. 80 of the printed report.

J. R. ELSESS, Supt.

S. S. SCHRADER, Mine Foreman.

No. 88. *Despard Mine, Pittsburg Seam, Drift.*

This mine is located one and one half miles east of Clarksburg on the B. & O. R. R. And has not been in operation during the past year but at this time the company has a force of men engaged in cleaning it up for the purpose of operation. It will be made an up to date mining plant with the latest electrical equipment of undercutting and hauling coal.

J. H. NUZUM, Supt.

FAIRMONT COAL COMPANY.

No. 89. *Enterprise Mine, Pittsburg Seam. Slope.*

This mine is located 13 miles south of Fairmont on the M. R. division of the B. & O. R. R. It is opened up on the triple entry system. The ventilation which is produced by a 20 foot Capell fan has always been found to fully comply with the State Mine Law. No gas has ever been found in this mine. Coal is cut and hauled by electricity. The roof in this mine in some sections is very bad but timbering is well looked after and all loose and overhanging slate is promptly looked after and removed. With the present mine development and with a full force of men this mine is capable of producing 1800 tons daily.

This mine fully meets with the requirements of the State Mine Law.

This mine was reported last year as Enterprise Mine, No. 81 of the printed report.

G. W. FLEMING, Supt.

THOS. SMITH, Mine Foreman.

H. C. ICE, Asst. Supt.

No. 90. *Viropa Mine, Pittsburg Seam, Drift.*

This mine is located 13 miles south of Fairmont on the M. R. division of the B. & O. R. R. Ventilation is produced by a 12 foot electric fan and

is only fair throughout the workings, but on recommendation of the inspector a new fan was ordered and will be installed in the very near future, which will properly ventilate the mine workings. No gas has ever been found in this mine. The drainage is only fair throughout. The coal is being cut and hauled by electricity. The roof in this mine is rather dangerous and requires careful timbering. The laws are being fully complied with.

This mine was reported last year as Viropa Mine, No. 82 of the printed report.

With the present development and equipment this mine is capable of producing 1200 tons daily.

G. W. FLEMING, Supt.

Wm. WALLACE, Mine Foreman.

H. C. ICE, Asst. Supt.

GEO. WINTERS, Asst. Mine Foreman.

No. 91. Ehlen Mine, Pittsburg Seam, Drift.

This mine is located at Shinnston 17 miles south of Fairmont on the M. R. division of the B. & O. R. R. It is opened up on the double entry system. Ventilation is produced by a 12 foot curved blade fan and has always been found to fully meet the requirements of the State Mine Laws, but distribution was recommended to be bettered on last visit as it was found rather bad. Some Marsh gas is liberated but in very small quantities and is being taken care of by means of good servicable brattices. With the exception of a few local dips the drainage is fair throughout this mine. The roof is very dangerous and is made more so by the removal of all of the coal, and no head coal being maintained in large sections of the mine, but on date of last visit the management gave me the assurance that an effort would be made to catch the head coal in all the working places. The oil sold by the operating company and used by the employes meets all the requirements of the law. The State Mine Laws are being complied with.

This mine was reported last year as Ehlen Mine, No. 83 of the printed report.

THOS. JARRETT, JR., Supt.

JAS. JOHNSON, Mine Foreman.

CHAS. WATKINS, Asst. Supt.

No. 92. Shinns Run Mine No. 3, Pittsburg Seam, Drift.

Located 17 miles south of Fairmont at Shinnston on the M. R. Branch of the B. & O. R. R. Opened up on the double entry system. Ventilation produced by a 10 foot fan and when properly distributed is fairly good throughout the mine. No gas has ever been found in this mine. The drainage is fairly good except a few places going to the dip. The top in this mine is of a very dangerous character being of a slippery potty nature, but on date of last visit was assured by the management that they would use due diligence in catching head coal in all the working places. The oil sold by the operating company and used by the miners meets fully the requirements of the State Mine Law. The coal mined in this mine is hauled through a section of the Ehlen Mine and dumped over the Ehlen tipple. Coal is undercut by electric chain cutters and on date of last visit was hauled by means of horses and mules, but the manage-

ment was considering the installation of an electric motor at this plant.

This mine was reported last year as Shinns Run No. 3 Mine, No. 84 of the printed report.

THOS. JARRETT, JR. Supt.

JAS. JOHNSON, Mine Foreman.

CHAS. WATKINS, Asst. Supt.

No. 93. Robinson Run Mine.

This mine is located 13 miles north of Clarksburg on the Short Line Division of the B. & O. R. R. It is opening up on the triple entry system. They are engaged in structural work and in driving their entries. When this plant is completed it will be one of the model mines of this region. Equipped with the latest electrical devices for cutting, gathering, hauling and handling the coal, as it is the intention of the company to work no mules on the inside. This will be rather an experimental mine of this region as we have no other mine in the 2nd district of this character. This venture will be looked on with interest by the other operators. GEO. W. FLEMING, Supt.

No. 94. Solon Mine, Pittsburg Seam, Drift.

This mine is opened up on the triple entry system. Ventilation is produced by a 16 foot curved blade fan and has always been found to fully comply with the State Mine Laws. The drainage in the working places is good. The roof in this mine is rather bad and requires careful attention as to the timbering. Some gas is discovered, which is however, in very small quantities and on dates of visit was being well taken care of by means of concrete brattices on the mains and good servicable wooden brattices in that section of the mine where gas was found. The oil used and sold by the operating company was found to fully comply with the State Mine Law. This mine is capable of producing with a full force of men with the present development 800 tons daily.

This mine was reported last year as Solon Mine, No. 85 of the printed report.

THOS. JARRETT, JR., Supt.

GEO. B. SKINNER, Mine Foreman.

CHAS. WATKINS, Asst. Supt.

No. 95. Gypsy Mine, Pittsburg Seam, Drift.

This mine is located 12 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. Ventilation of this mine is produced by a 20 foot fan which has always been found ample. Some little gas is found in the advance workings of this mine, but was found being well taken care of by means of servicable brattices. The drainage is fairly good. The roof is a good general average of that in the Pittsburg measure. The head coal being maintained along all the important haulways. The coal is being cut and hauled by electricity. Machines used to undercut coal being of the Jeffrey type chain cutter. This mine with a full force of men is capable of producing 1700 tons daily.

This mine was reported last year as Gypsy Mine, No. 86 of the printed report.

C. F. ICE, Supt.

BERT RUSSELL, Mine Foreman.

A. W. RAPP, Asst. Supt.

W. W. LEANORD, Asst. Mine Foreman.

F. E. GIROD, Asst. Mine Foreman.

No. 96. Harbert Mine, Pittsburg Seam, Drift.

This mine is located 12½ miles north of Clarksburg on the M. R. Division of the B. & O. R. R., and is under the same management and practically same condition exist on the inside as the Gypsy mine, as it is connected under ground with the Gypsy Mine and the coal is being hauled and dumped over the Gypsy tippie, the coal is undercut by electric chain machines and hauled by electric motor. The roof is in fair condition and timbering is good. Ventilation is produced by a 7 foot Stine fan electric which has been recently installed. The law is being fully complied with.

This mine was reported last year as Harbert Mine, No. 87 of the printed report.

The output of which is reckoned with that of the Gypsy Mine.

C. F. ICE, Supt.

BERT RUSSELL, Mine Foreman.

A. W. RAPP, Asst. Supt.

W. W. LEANORD, Asst. Mine Foreman.

F. E. GIROD, Asst. Mine Foreman.

No. 97. Maulsby Mine, Pittsburg Seam, Drift.

This mine is located 11 miles north of Clarksburg on the M. R. Branch of the B. & O. R. R., and has not been in operation during the past year. It is connected under ground with the Gypsy and Harbert Mines and is under the same management and practically the same conditions exist on the inside. This mine will be operated from the Gypsy Mine as is the Harbert Mine at this time.

This mine was reported last year as Maulsby Mine, No. 88 of the printed report.

C. F. ICE, Supt.

BERT RUSSELL, Mine Foreman.

A. W. RAPP, Asst. Supt.

W. W. LEANORD, Asst. Mine Foreman.

F. E. GIROD, Asst. Mine Foreman.

No. 98. Meadow Brook No. 1 Mine, Pittsburg Seam, Drift.

This mine is located nine miles north of Clarksburg on the M. R. Division of the B. & O. R. R. The ventilation is produced by two fans one being a 12 foot curved blade steam fan and the other being 7 foot electric Stine fan. The ventilation was found good throughout the mine workings and also all other sanitary conditions. The coal is being undercut by electric chain cutter machines and hauled by electric motor to the tippie. The roof in this mine is of a very dangerous character requiring very careful timbering which is being carefully looked after. The law is being fully complied with. This mine with a full force of men is capable of producing 500 tons per day.

This mine was reported last year as Meadow Brook Mine, No. 89 of the printed report.

P. B. ROBINSON, Supt.

C. D. POWELL, Mine Foreman.

No. 99. Meadow Brook No. 2 Mine, Pittsburg Seam, Drift.

This mine is located nine and one-fourth miles north of Clarksburg on the M. R. Division of the B. & O. R. R. The ventilation is natural and is very good throughout, by reason of the exceedingly good means of natural ventilation, as the butt entries all or nearly all of them are cut

to the outside. The drainage is only fairly good, on account of some of the working places going to the dip. The top in this mine is of a better character than of No. 1 Mine, on account of the head coal being maintained along haulways and working places. No gas is found. Coal is cut and hauled by electricity. Machines used being of the Jeffrey type. This mine is capable of producing 300 tons daily.

This mine was reported last year as Meadow Brook No. 2 Mine, No. 90 of the printed report.

P. B. ROBINSON, Supt.

C. D. POWELL, Mine Foreman.

No. 100. *Globe Mine, Pittsburg Seam, Drift.*

This mine is located six and a half miles north of Clarksburg on the M. R. Division of the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a 7 foot Stine Electric fan has always been found good. The drainage is fairly good throughout the workings. Top in most working places and timbering good, but along haulways in places it needed some attention on date of last visit. No gas has ever been found. The law is being fully complied with at this mine.

This mine was reported last year as Globe Mine, No. 91 of the printed report.

H. H. WATSON, Supt.

P. J. McANDREWS, Mine Foreman.

No. 101. *Dunham Mine, Pittsburg Seam, Drift.*

This mine is located 5 miles north of Clarksburg on the M. R. Branch of the B. & O. R. R. It is opened up on the triple entry system and at this time the ventilation is produced by a 12 foot electric fan which was formerly a steam fan. The ventilation is good throughout the mine. During the past year the company have installed electric motors for the transportation of the coal from the inside. The roof is fairly good throughout this mine. No gas is found. Sanitary condition is good and the law is being fully complied with. With the present equipment and a full force of men this mine is capable of producing 1000 tons daily.

This mine was reported last year as Dunham Mine, No. 93 of the printed report.

H. H. WATSON, Supt.

S. W. LEWIS, Mine Foreman.

No. 102. *Lynch Mine, Pittsburg Seam, Drift.*

This mine is located 6 miles south of Clarksburg on the W. Va. & Pittsburg Branch of the B. & O. R. R. It is opened up on the double entry system. The ventilation is produced by a 12 foot electric fan and is found to be only fairly good throughout the mine workings on account of the bad condition of the air courses, but in the judgement of the inspector it would fully comply with the law on date of last visit. Drainage is bad in large sections of this mine, on account of it being next to impossible to keep ditches open by reason of bad roof which keeps continually dropping and filling them. Natural conditions are adverse in this mine for economical mining. The law was being fully complied with.

With the present equipment and with a full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Lynch Mine, No. 94 of the printed report.

LOWELL CHILDS, Supt.

Wm. WAGNER, Mine Foreman.

No. 103. West Fork Mine, Pittsburg Seam, Drift.

This mine is located seven and one-fourth miles south of Clarksburg on the W. Va. & Pittsburg Branch of the B. & O. R. R. The mine is opened up on the double entry system and is ventilated at the present time by a furnace. The ventilation is only fairly good throughout the mine and the management is considering an installation of a fan at an early day. Drainage is rather bad in some sections of the mine. Top in mine is very bad but at this time they are keeping head coal in all the working places and timbering is being carefully looked after which is a great improvement over former conditions. The oil used and sold meets with requirements of law. The State Mine Law is being fully complied with with the exception of the second opening which hardly meets the requirements of the law in case they should exceed 20 men on the inside, which as yet they have not done. With a full force of men and with the present equipment this mine is capable of producing 250 tons daily.

This mine was reported last year as West Fork Mine, No. 95 of the printed report.

LOWELL CHILDS, Supt.

JOS. MATHENY, Mine Foreman.

No. 104. Reynoldsville Mine, Pittsburg Seam, Drift.

This mine is located 7 miles west of Clarksburg on the Parkersburg Branch of the B. & O. R. R., and is opened up on the double entry system. The ventilation which is produced by a ten foot fan is fairly good throughout the mine. The roof in this mine along haulway is very bad in places, but timbering is being carefully looked after. The drainage is very bad at times especially in rainy seasons, as local conditions prevent good drainage. No gas has ever been found in this mine. The oil in use meets the requirements of the law and on date of last visit the mine met fully the requirements of the State Mine Law. With the present equipment and a full force of men this mine is capable of producing 450 tons daily.

This mine was reported last year as Reynoldsville Mine, No. 96 of the printed report.

J. R. ELSESS, Supt.

BROOKS PATTON, Mine Foreman.

No. 105. Columbia Mine, Pittsburg Seam, Drift.

This mine is located three miles east of Clarksburg on the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a 16 foot fan which has been recently installed is good throughout the mine. No gases have ever been found in this mine. The top is fairly good throughout. Timbering is carefully looked after. With the present equipment and with a full force of men this mine is capable of producing 1200 tons daily.

This mine was reported last year as Columbia Mine, No. 97 of the printed report.

J. H. NUZUM AND
A. W. RAPP, Supts.

RALPH BROWN, Mine Foreman.
MIKE ROONEY, Asst. Mine Foreman.

No. 106. Ocean Mine, Pittsburg Seam, Drift.

This mine is located three miles east of Clarksburg on the B. & O. R. R., and opened up on the double entry system. The ventilation which is produced by a 15 foot fan has always been found good. Drainage and all other sanitary conditions found good. The top is fairly good throughout the mine. The timbering is carefully looked after. The coal is undercut by compressed air machines of the puncher type and is hauled to the tibble by the head and tail rope system. This mine with a full force of men and the present equipment can produce 1200 tons daily.

This mine was reported last year as Ocean Mine, No. 98 of the printed report.

K. D. BAILEY, Supt.

U. B. BLAKESMITH, Mine Foreman.

No. 107. Riverdale Mine, Pittsburg Seam., Drift.

This mine is located 16 miles south of Fairmont on the M. R. Division of the B. & O. R. R., and opened up on the double entry system. The ventilation is produced by a 7 foot Stine fan and is good throughout the workings. No gas has ever been found, the drainage is rather bad in some sections of the mine, but great improvement has been made during the past year. The roof is of a treacherous nature and requires careful timbering, which at this time is being fairly well looked after. The oil sold by the operating company fully meets with the requirements of the law but violation of the law was found on the inside by the workmen mixing the same with kerosene. Their attention was called to this matter and they gave me the assurance that they would immediately stop it. This mine with a full force of men is capable of producing 600 tons per day. Other than above mentioned the Mine Laws are being complied with at this mine.

This mine was reported last year as Riverdale Mine, No. 99 of the printed report.

G. W. FLEMING, Supt.
H. C. ICE, Asst. Supt.

THOMAS HORTON AND
MAURICE BEEDLE, Mine Foremen.

No. 108. Melrose Mine, Pittsburg Seam, Drift.

This mine is located 13 miles south of Clarksburg on the M. R. Division of the B. & O. R. R. It has not been in operation during the past year.

G. W. FLEMING, Supt.

No. 109. Glenn Falls Mine, Pittsburg Seam, Drift.

This mine is located 5 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. This mine has not been in operation during the last year.

H. H. WATSON, Supt.

No. 110. *Lydia Mine, Pittsburg Seam, Drift.*

This mine is located 8 miles west of Clarksburg on the B. & O. R. R. It has not been in operation during the past year.

J. O. BROOKS, Supt.

PITTSBURG AND FAIRMONT FUEL COMPANY.

No. 111. *Perry Mines Nos. 1 and 2, Pittsburg Seam, Drift.*

These mines are located three miles west of Clarksburg on the W. Va. Short Line Division of the B. & O. R. R. Ventilation is produced by two steam fans and is fairly good throughout. Very great improvements have been made during the past year in these mines, as servicable brattices built of concrete have been constructed, ditches have been dug to improve drainage and other things too tedious to mention to improve conditions of the inside. The coal is being cut by electric chain machines and is hauled to the tipple by electric motors, no gas is found in these mines, the top is fairly good and timber is carefully looked after. The mine law is being complied with. With the present equipment and with a full force of men this mine is capable of producing 1600 tons daily.

These mines were reported last year Perry Nos. 1 and 2 Mines, No. 100 of the printed report.

L. W. SMITH, Supt.

ARTHUR MORGAN, Mine Foreman.

No. 112. *Coaling Station Mine, Pittsburg Seam, Drift.*

This mine is located two miles west of Clarksburg on the W. Va., Short Line Division of the B. & O. R. R., it is opened up on the double entry system. The ventilation which is produced by a 12 foot electric fan was found to be only fairly good, but the management gave me the assurance that a fan of more efficiency would be installed at once. Some gas is found at the advance workings but is being taken care of by means of good servicable brattices. The top in this mine is fairly good throughout, as the head coal is being maintained. Great improvement has been made in this mine during the past year in the way of drainage, ventilation, and all other sanitary conditions and they meet at this time fully with the requirements of the State Mine Laws. With the present mine development and with a full force of men this mine is capable of producing 600 tons daily.

This mine was reported last year as Coaling Station Mine, No. 101 of the printed report.

L. W. SMITH, Supt.

A. L. HORD, Mine Foreman.

No. 113. *Pooz Mine, Pittsburg Seam, Drift.*

This mine is located 12 miles north of Clarksburg on the W. Va. Short Line Division of the B. & O. R. R. It is opened up on the triple entry system and the ventilation which is produced by a 16 foot steam fan has always been found to fully comply with the State Mine Law. The roof in some sections of this mine is very bad, but timbering is being carefully looked after. Some gas is found in the advance workings of this mine, but on dates of visit, the ventilation was sufficient to fully take

care of it. The coal is being undercut by electric chain machines and hauled by horses and mules, to the Junction from thence it is let down the incline with an endless rope with the hand grip system. The mine fully meets the requirements of the State Mine Law. With the present equipment and with a full force of men this mine is capable of producing 1500 tons daily.

This mine was reported last year as Pooz Mine, No. 102 of the printed report.

A. C. ICE, Supt.

N. H. HACKER, Mine Foreman.

No. 114. *Lucas Mine, Pittsburg Seam, Drift.*

This mine is located twelve and one fourth miles south of Clarksburg on the W. Va. Short Line Division of the B. & O. R. R. It is opened up on the triple entry system. Ventilation is produced by a 7 foot electric Stine fan, and has been greatly improved during the past year by the construction of concrete brattice along main haulways. Some gas is being discovered in some sections of this mine but on dates of last visit was being well taken care of by means of ample ventilation. The top in this mine is very bad where the head coal is being removed, but timbering is being carefully looked after. Coal in this mine is undercut by electric chain machines and hauled to the tipple by means of horses and mules. State Mine Law is being observed. With a full force of men and with the present equipment this mine is capable of producing 1000 tons daily.

This mine was reported last year as Lucas Mine, No. 103 of the printed report.

A. C. ICE, Supt.

JOHN WALTERS, Mine Foreman.

FAIRMONT AND BALTIMORE COAL AND COKE COMPANY.

No. 115. *Fairmore Mine, Pittsburg Seam, Drift.*

This mine is located 2 miles west of Clarksburg on the B. & O. R. R. Ventilation is produced by a 12 foot fan and is fairly good throughout the workings. Drainage is very bad in large sections of this mine. There has been considerable work done in the last year in ditching to better this condition. No gas has ever been found in this mine. The top is only fair but timbering is fairly well looked after. Coal is mined by pick. The employees burn the oil sold them by the operating company which by test did not comply with the State Mine Law. The law otherwise is complied with. With the present mine development and equipment and with a full force of men this mine could produce 800 tons daily.

This mine was reported last year as Fairmore Mine, No. 104 of the printed report.

A. L. WHITE, Supt.

T. J. WESTMORELAND, Mine Foreman.

COOK COAL AND COKE COMPANY.

No. 116. *Girard Mine No. 1, Pittsburg Seam, Drift.*

This mine is located 9 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. It is opened up on the double entry system. The ventilation is produced by a 7 foot electric Stine fan, and is only fair

throughout the workings. Head coal is maintained throughout the workings and for this reason the top is fairly good. Timbering is being fairly well looked after. Employes burn the oil sold by the operating company which meets with the requirements. Drainage in some sections of this mine is very bad. With the present mine development and a full force of men this mine in connection with No. 2 Mine at the same place, should produce 1000 tons daily. This mine was reported last year as Girard No. 1 Mine, No. 105 of the printed report.

B. H. MONROE and ISHAM KEITH, Superintendents.

EDWARD WORCESTER, Mine Foreman.

No. 117. No. 2 Opening at Girard Mine No. 1, Pittsburg Seam, Drift.

This mine is located 9 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. It is opened up on the double entry system. Ventilation is produced by a ten foot electric fan and is fairly good throughout. Drainage is only fair. The top is rather good on account of head coal being maintained throughout. It is worked in connection with number one. Coal from this mine is being hauled through a section of number one and dumped over the same tipple. The daily output is reckoned with the Number One Mine. The undercutting is done at both of these mines with Electric Chain Machines and hauled by electric motor to the tipple. This mine was not reported last year.

B. H. MONROE and ISHAM KEITH, Supts.

EDWARD WORCESTER, Mine Foreman.

MEADOW BROOK COAL & COKE COMPANY.

No. 118. Erie Mine, Pittsburg Seam, Drift.

This mine is located 6 miles north of Clarksburg on the W. Va. Short Line Division of the B. & O. R. R. It is opened up on the four entry system. Ventilation which is produced by a 12 foot fan is only fairly good throughout the workings, but in the near future will be much better as many of the entries will be cut to the outside. The coal is being undercut by compressed air puncher machines and is hauled to the junction by mules. From thence it is sent up engine plane by the head rope system. The State Mine Law is being fully complied with. The top is rather good on account of the head coal being maintained. With the present mine development and equipment and with a full force of men this mine is capable of producing 1000 tons daily, as they have recently built a new and up to date tipple which enables them to increase their output.

This mine was reported last year as Erie Mine, No. 106 of the printed report.

L. L. CRAWFORD, Supt.

C. D. M. KRAMER, Mine Foreman.

MADEIRA-HILL-CLARK COAL COMPANY.

No. 119. Waldo Mine, Pittsburg Seam, Drift.

This mine is located 4 miles West of Clarksburg on the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a 15 foot fan has always been found fairly good. The coal is

undercut by compressed air machines of the puncher type and is hauled to the drift mouth by mules. Top is rather good by leaving head coal throughout the working places and timbering being carefully looked after. No gas is found in the mine. The drainage is bad in some sections but they are at this time engaged in ditching which will better conditions. The employes burn oil sold them by the operating company which meets with the requirements of the law. With the present mine equipment and with a full force of men this mine is capable of producing 1000 tons daily.

This mine was reported last year as Waldo mine. No. 107 of the printed report.

H. B. CLARK, Supt.

A. G. COBURN, Mine Foreman.

No. 120. *Goff Mine, Pittsburg Seam, Drift.*

This mine is located $3\frac{3}{4}$ miles west of Clarksburg on the B. & O. R. R. It is a pick operation, opened up on the double entry system. It is ventilated by the fan from number one or Waldo mine and also by a fire basket. The ventilation has always been found sufficient to comply with the law. No gas has ever been found in the mine. The top is good throughout, by reason of the head coal being maintained, and also by careful timbering of the same. State mine law is fully complied with. With the present mine development and a full force of men this mine is capable of producing 500 tons daily.

This mine was reported last year as Goff Mine, No. 108 of the printed report.

H. B. CLARK, Supt.

WILLIAM ASHCRAFT, Mine Foreman.

No. 121. *New Chieftain Mine, Pittsburg Seam, Drift.*

This mine is located 7 miles West of Clarksburg on the B. & O. R. R. It is ventilated by a 12 foot fan and has always been found fairly good throughout the mine. It has not been in operation to any extent during the past year. There being only a few men on the inside. It was necessary to maintain the head coal in order to hold the roof, as the roof is very bad when the overlying strata is exposed. The coal is undercut with electric machines of the chain type. It is hauled by electric motor. The drainage is fairly good throughout. This mine in the future will be connected with the Randolph mine so I am informed by the management, as the conditions are more favorable along haulway on that side. With a full force of men and with the present equipment this mine is capable of producing 400 tons daily. This mine was reported last year as New Chieftain Mine, No. 109 of the printed report.

H. B. CLARK, Supt.

O. J. FOWLER, Mine Foreman.

No. 122. *Randolph Mine, Pittsburg Seam, Drift.*

This mine is located 7 miles West of Clarksburg on the B. & O. R. R. The mine is opened up on the triple entry system. Ventilation is produced by a 15 foot steam fan which is good throughout the workings. The roof in this mine is similar to that of the Chieftain mine but the head coal is more uniformly maintained throughout the workings which makes conditions much better along this line. Some dust was found in this mine

which was necessary to wet. The coal is undercut with Electric Machines of the Chain Cutter type, and is hauled by electric motor to tipple. With a full force of men and with the present equipment this mine is capable of producing 600 tons daily. This mine was reported last year as Randolph mine, No. 110 of the printed report.

H. B. CLARK, Supt.

O. J. FOWLER, Mine Foreman.

COOK & HART COAL COMPANY.

No. 123. *Cook or Cork Mine, Pittsburg Seam, Drift.*

This mine is located 7½ miles south of Clarksburg on the W. Va. Pittsburg division of the B. & O. R. R. This is a pick operation and ventilation is natural, there being several openings to the outside. Ventilation is only fairly good. Drainage is very bad in some sections of the mine. Timbering is carefully looked after. This mine complies with the State Mine Law. With a full force of men and present equipment, this mine is capable of producing 300 tons daily.

Reported last year as Cork Mine, No. 111 of the printed report.

JAS. F. COOK, Supt.

CYRUS MITCHELL and ROBT. WILSON, Mine Foremen.

ROSE-BUD COAL COMPANY.

No. 124. *Rosebud Mine, Pittsburg Vein, Drift.*

This mine is located 15 miles north-west of Clarksburg on the W. Va. Short Line Division of the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a fire basket has always been found ample for the development. No gas has ever been found in the mine. The top is only fairly good. The coal is undercut by Electric Machines of the chain cutter type, and hauled to the outside by horses and lowered down gravity plane to the tipple. This mine does not comply with the law in the following respects: No rules were found posted, no safety lamps, no stretcher or blankets and no blue print has ever been furnished the inspector.

The mine was reported last year as Rosebud mine, No. 112 of the printed report.

SAMUEL CROMER, Supt.

TONY STARR, Mine Foreman.

HUTCHINSON FUEL & SUPPLY COMPANY.

No. 125. *Hutchinson Mine No. 1, Pittsburg Seam, Drift.*

This mine is located 8½ miles South of Clarksburg on the W. Va. & Pittsburg division of the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a 7 foot stine fan has always been found ample to comply with the law, but conditions are very unfavorable in this mine as it is their intention to abandon this mine by connecting it to their No. 2 mine underground. The mine law is being fully complied with at this time. With the present mine development and with a full force of men this mine is capable of producing 400

tons daily. This mine was reported last year as Hutchinson No. 1 Mine, No. 113 of the printed report.

W. G. H. CRAWFORD, Supt.

W. B. MALONE, Mine Foreman.

No. 126. Hutchinson Mine No. 2, Pittsburg Seam, Drift.

This mine is located $8\frac{1}{2}$ miles south of Clarksburg on the W. Va. & Pittsburg division of the B. & O. R. R. It is ventilated by a 12 foot fan and has always been found fairly good throughout the workings. No gas has ever been found in the mine. The coal is undercut by both types of machines, electric chain and compressed air punchers, and hauled to the tippie by means of an electric motor, which has been installed during the past year. They have greatly improved this plant since my last report. With the present mine development and a full force of men this mine is capable of producing 1000 tons daily.

This mine was reported last year as Hutchinson No. 2 Mine, No. 114 of the printed report.

W. G. H. CRAWFORD, Supt.

W. B. MALONE, Mine Foreman.

SUMMIT COAL & COKE COMPANY.

No. 127. Phoenix Mine, Pittsburg Seam, Slope.

This mine is located 7 miles west of Clarksburg on the B. & O. R. R.

The ventilation which is produced by a 12 foot fan is only fairly good throughout the workings. The top is of a very soft nature requiring very careful timbering. The mine is kept clear of water by means of compressed air pumps. The timbering is carefully looked after. The mine at this time is connected under ground with the O'Gara Mine, so as to comply with the law in regard to second opening. Some gas is found in advance workings, but is being fairly well taken care of, but the inspector found it necessary to recommend that the fan be run continually and that a fire boss be employed, also some dust was found in this mine which the inspector considered in dangerous quantities and recommended that it be kept thoroughly wet at all times. This mine with present equipment and full force of men is capable of producing 700 tons daily.

This mine was reported last year as Phoenix Mine, No. 115 of the printed report, and was formerly operated by the Douglas-Rauch C. & C. Co.

FRANK D. ALLEN, Supt.

WILLIAM GANTZ AND

JAMES HAUGHNEY, Mine Foremen.

O'GARA COAL MINING COMPANY.

No. 128. O'Gara Mine, Pittsburg Seam, Slope.

This mine is located 7 miles west of Clarksburg on the B. & O. R. R. The ventilation is produced by a 12 foot fan and is only fairly good. The mine generates small quantities of marsh gas it is being fairly well taken care of, but it was recommended by the inspector that a competent man be put on to examine the mine thoroughly before the men were permitted to enter therein and that the fan be kept continually in motion. The top is only fairly good as in many cases the head coal has been removed

exposing the over-lying strata which disintegrates very badly. The timbering is fairly well looked after. The air courses are in very bad condition on account of the falls of slate which is recommended to be removed or that additional air courses be cut paralleling same. The water is being handled by pumps. Drainage is good in nearly all the working places. State Mine Law is being observed. This mine with the present mine development and with a full force of men is capable of producing 800 tons daily.

This mine was reported last year as Wolf Summitt Mine, No. 116 of the printed report.

M. MANNIX, Supt.

Wm. F. WHITE, Mine Foreman.

MARSHALL COAL COMPANY.

No. 129. *Marshall Mine, Pittsburg Seam, Drift.*

This mine is located 7 miles south of Clarksburg on the W. Va. & Pittsburg Division of the B. & O. R. R. The ventilation which is produced by a 12 foot fan is only fairly good throughout the workings. No gas has ever been made. Drainage and other sanitary conditions are fairly good throughout the mine. The roof is fairly good. Timbering is being carefully looked after. Coal is undercut by machines of the puncher type. The coal is hauled by mules and horses. The mine laws are being fully complied with. With a full force of men and with the present equipment this mine is capable of producing 1000 tons per day.

This mine was reported last year as Marshall Mine, No. 117 of the printed report.

JOHN W. FAHEY, Supt.

GEO. ADAMS, Mine Foreman.

PITCAIRN COAL COMPANY.

No. 130. *Pitcairn Mine, Pittsburg Seam, Drift.*

This mine is located 1 mile south of Clarksburg on the W. Va. & Pittsburg Division of the B. & O. R. R. It is opened up on the double entry system. The ventilation which is produced by a 15 foot fan has always been found to comply with the State Mine Law. The top is fairly good throughout by reason of the head coal being maintained throughout the workings and timbering being carefully looked after. It has had some difficulty during the last year on account of a creep on their first right heading which cut off their second opening but this was remedied by a door being placed in fan house so as to permit men to travel the return air way until section of this mine could be cleaned up, and timbered and be put in normal condition. Coal is undercut and hauled by electricity. With a full force of men and with the present equipment this mine is capable of producing 1200 tons daily.

This mine was reported last year as Pitcairn Mine, No. 118 of the printed report.

J. A. JENKINS, Supt.

Wm. J. KEEFE, Mine Foreman.

CORONA COAL AND COKE COMPANY.No. 131. *Harold Mine, Pittsburg Seam, Drift.*

This mine is located 2 miles north of Clarksburg on the M. R. Division of the B. & O. R. R. It is opened up on the double entry system. No gas has ever been found. Top is fairly good. It is ventilated by a furnace which fairly well ventilates the mine throughout, but the management is considering the installation of a fan at this time. The coal is mined and hauled by electricity. State Mine Law is being complied with. With the present mine equipment and with a full force of men this mine is capable of producing 600 tons daily.

This mine was reported last year as Harold Mine, No. 119 of the printed report.

ED. CLINGAN, Supt., and Mine Foreman.

WASHINGTON FUEL COMPANY.

No. 132. *Nos. 1 and 2 Mines, Pittsburg Seam, Drift.*

These mines are located 6 miles west of Clarksburg on the B. & O. R. R. They are pick operations and at this time are just engaged in driving headings and as yet have not reached that state of development that would class them as commercial mines.

These mines were not reported last year.

W. F. HARVEY, Supt., and Mine Foreman.

SHORT LINE COAL COMPANY.

No. 133. *Girard No. 2 Mine, Pittsburg Seam, Drift.*

This mine is located 19 miles north-west of Clarksburg on the Short Line Division of the B. & O. R. R. It is opened up on the double entry system and ventilated by a ten foot fan, with only fair results throughout by the reason of the illogical construction of the fan house and for other reasons named to the company in my certificate. The top is good throughout by reason of the maintenance of head coal and of the careful manner in which the timbering is done. The State Mine Law is not being complied with in the following particulars:—Cross cuts are being cut very irregularly and exceeded the distances prescribed by law and in many other instances which you will notice by reference to my last report. With the present equipment and with a full force of men this mine is capable of producing 600 tons daily.

Marsh gas in small quantities was found in this mine, but is being fairly well taken care of only.

This mine was reported last year as Girard No. 2 Mine, No. 120 of the printed report.

ISHAM KEITH, Supt.

B. H. STIRES, Mine Foreman.

NATIONAL COAL COMPANY.

No. 134. *National or Overholt Mine, Pittsburg Seam, Drift.*

This mine is located 6 miles north-west of Clarksburg on Short Line

Division of the B. & O. R. R. The ventilation is produced by a furnace and is fairly good throughout the mine. Top is fairly good by reason of the head coal being maintained, and timbering being carefully looked after. The drainage is fair. It was necessary for the inspector to have a second opening made to have the mine fully comply with the law. With the present mine development and equipment and with a full force of men this mine is capable of producing 600 tons daily. It is a pick operation and the coal is hauled by mules.

This mine was reported last year as Overholt Mine, No. 121 of the printed report.

ELI MORRIS, Supt.

ELI MORRIS, Mine Foreman.

FAYETTE COAL COMPANY.

No. 135. *Dola Mine, Pittsburg Seam, Drift.*

This company is engaged in opening this mine on the double entry system at Dola on the Short Line R. R. They are engaged in driving their entries constructing their tipple and building their side tracks. Plans have been examined by the inspector and approved by him.

BENJ. GREAVES, Supt.

CENTRAL FAIRMONT COAL COMPANY.

No. 136. *Moore Mine, Pittsburg Seam, Drift.*

This mine is located one and one fourth miles east of Clarksburg on the Industrial Branch of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is natural is only fair. And it was recommended by the inspector on date of last visit that a ventilator be installed of some kind in order to properly ventilate the mine. Drainage is bad. Top only fair, timbering fairly well looked after. Coal is undercut with picks and hauled to the tipple by mules. With the present mine development and with a full force of men this mine is capable of producing 200 tons daily.

This mine complies with the State Mine Law.

This mine was not reported last year.

Wm. MOORE, Supt.

A. G. HILBURT, Mine Foreman.

JANE LEW COAL COMPANY.

No. 137. *Naomi Mine, Redstone Seam, Drift.*

This mine is located 14 miles south of Clarksburg on the W. Va., & Pittsburg Division of the B. & O. R. R. It is opened up on the double entry system and the ventilation which is produced by a furnace was found on date of visit to be fairly good. The top is good. Timbering is being fairly well looked after. Drainage is fair. Coal is being undercut with picks and hauled to the drift mouth with mules where it is lowered to the tipple by traction plane. This is a coke plant exclusively as no coal is being shipped from it. The coal is being manufactured into coke in ovens of the Bee Hive type. And the management informed me that they had no trouble whatever in disposing of their

product. With the present development and with a full force of men this mine is capable of producing 150 tons daily.

This mine was not reported last year.

JOHN HARLEY, Supt., and Mine Foreman.

N. B. There are 20 coke ovens here, and during June, 1907, there were shipped 200 tons of coke from the same, but this information was received too late for classification.—J. W. P.

VINCENT COAL AND COKE COMPANY.

No. 138. *Vincent Mine, Pittsburg Seam, Drift.*

This Company is engaged in opening this mine one and three-fourth miles south-east of Clarksburg on the Industrial Branch of the B. & O. R. R. It is opening up on the double entry system. They are at this time engaged in driving their entries, constructing their side tracks, etc., but have not reached that stage of development that would classify them as a commercial mine. Plans have been examined on the ground by the inspector.

VINCENT E. GOECKE, Supt.

HERO COAL COMPANY.

No. 139. *Hero Mine, Pittsburg Seam, Drift.*

This mine is located one half mile south of Lumberport on the Short Line Division of the B. & O. R. R. It is being opened up on the double entry system and has not yet reached that stage of development to be classed as a commercial mine. The plans however, have been looked over by the inspector on the ground.

Officials not known.

MONROE COLLIERY COMPANY.

No. 140. *Monroe Mine, Pittsburg Seam, Drift.*

This company is opening at Rosebud on the Short Line R. R. They are opening up on the double entry system and are at this time engaged on their constructional work. The plans have been looked over by the inspector and approved by him. They have not yet reached that stage of development that would classify them as a commercial mine.

B. H. MONROE, General Manager.

BLUE RIDGE COAL COMPANY.

No. 141. *Blue Ridge Mine, Pittsburg Seam, Drift.*

This company is opening a mine at Lumberport on the Short Line Division of the B. & O. R. R. They are engaged in the constructional work and have not yet reached that stage of development to classify them as a commercial mine.

The plans however have been looked over by the inspector in company with the officials on the ground.

ISHAM KEITH, Supt.

B. H. STIRES, Mine Foreman.

VIRGINIA-MARYLAND COAL CORPORATION.**No. 142. *Williard Nos. 1, 2 and 3 Mines.***

These are new operations being opened up on Mud Lick Run two and one fourth miles north-east of Shinnston. They have not yet reached that stage of development that would classify them as commercial mines as they are just engaged in structural work. The working plans have been looked over by the inspector and approved by him.

A. L. WHITE, Supt.

LEWIS COUNTY.**JACKSONVILLE COAL AND COKE COMPANY.****Nos. 143 and 144. *Sara B. Nos. 1, 2 and 3 Mines, Pittsburg Seam, Drift.***

These mines are located 1 mile east of Jacksonville on the Coal and Coke R. R. No. 1 mine being the only one which has been successfully operated. It is opened up on the double entry system. The ventilation is produced by a furnace and has always been found to fully comply with the State Mine Law. Drainage is bad in some sections of this mine. The top is also bad but timbering is carefully looked after. This mine would not comply with the State Mine Law in regard to second opening should they exceed twenty men on the inside. Their attention was called to this matter by certificate which was posted at the mine which recommended that second opening be made. The coal at this time is being undercut by compressed air machines of the puncher type, is hauled to the drift mouth by mules from thence by locomotive to the tippie where it is dumped into the cars. Nos. 2 and 3 openings are driven single entry, but two men being employed in each of them. They are encountering a bad fault with very poor prospects of getting through. The management was considering the abandonment of these openings on date of last visit. These mines were not complying with the State Mine Law in some particular which you will notice by reference to my monthly report, but when their attention was called to the matter they immediately took steps to fully comply with the law.

With the present development and with a full force of men this mine is capable of producing 200 tons daily.

These mines were not reported last year.

Wm. ATKIN, Supt.

ROBERT NELSON, Mine Foreman.

TAYLOR COUNTY.**GRAFTON COAL AND COKE COMPANY.****No. 145. *Sand Lick Mine, Pittsburg Seam, Drift.***

This mine is located thirteen and one half miles east of Clarksburg on the B. & O. R. R. This mine is opened up on the double entry system. Ventilation is natural, and very sluggish throughout the mine. No explosive gas has ever been discovered in the mine. The top is fairly good

throughout the mine and timbering is well looked after. This is a pick mine and the coal is hauled by mules and lowered by gravity plane to the tibble. There are several outlets and inlets to this mine which makes things very favorable for natural ventilation, but I have insisted that a furnace be constructed, there being no power, no other system of ventilation could be considered. The oil used by the miners meets with the requirements of the law, but on occasion of my last visit found that the rules were not posted as per requirements, and several other minor violations of the law, which you will notice by referring to my monthly report. With a full force of men, and with the present equipment this mine is capable of producing 500 tons daily.

This mine was reported last year as Sand Lick Mine, No. 122 of the printed report.

J. W. FAHEY, Supt.

JOHN MCGRAW, Mine Foreman.

PITTSVEIN COAL COMPANY.

No. 146. Flemington and Flemington No. 4, Pittsburg Seam, Drift.

These mines are located twelve and one half miles east of Clarksburg on the B. & O. R. R. They are opened up on the double entry system. The ventilation is produced by a 7 foot Stine fan and has always been found good throughout the mine workings. Top is fairly good and timbering is being well looked after. This mine is equipped with the latest electrical equipment, the coal being cut and hauled with electricity. The oil in use meets with the requirements of the law and all other State Mine Laws were being well observed on date of my visit. No. 4 Mine however has not been in operation during the past year but the management was considering a very early resumption of operation in that section of the mine on date of my last visit.

These mines were reported last year as Flemington Mine, No. 123 of the printed report, and Flemington No. 4, as No. 124 of the printed report.

J. W. DAVIDSON, Supt.

G. R. W. JOHNSON, Mine Foreman.

L. B. BRYDON.

No. 147. Brydon or Foster Mine. Pittsburg Seam, Drift.

This mine is located 6 miles West of Grafton on the B. & O. R. R. The ventilation is natural and very sluggish. The drainage along haulways is very bad. The timbering was also bad along haulways. This mine is nearly worked out very few men were found on the inside. This is a pick operation. This coal is hauled to the pit mouth by horses and lowered to the tibble by incline plane. Oil in use meets with the requirements of the State Mine Law, and the law is being fully complied with at this mine at this time. With a full force of men and with the present equipment this mine is capable of producing 50 tons daily.

This mine was reported last year as Brydon Mine, No. 125 of the printed report.

W. S. BRYDON, Supt.

GUY LAKE, Mine Foreman.

*DAVIS COAL MINING COMPANY.**No. 148. T. B. Davis Mine, Pittsburg Seam, Drift.*

This mine is located 10 miles west of Grafton on the B. & O. R. R. It is opened up on the double entry system. The ventilation which is natural was fairly good on date of last visit, on account of natural conditions being good for natural ventilation, but the company was considering the early installation of a fan, of the efficiency to probably ventilate the mine under any conditions which might arise. They had almost completed an up to date Rope Haulage system which they were installing. Several of the entries of this mine are encountering several bad faults or misplacements but on date of last visit the management was very much encouraged and thought that they would soon be out of these abnormal conditions into good coal. The top is fairly good throughout this mine. Timber was rather in a bad condition. The attention of the management was called to this fact by my certificate. The oil in use did not meet the requirements of the State Mine Law, in all other particulars the mine fully met the requirements of the State Mine Law. With a full force of men and with the present equipment this mine in case they should get into good coal is capable of producing 600 tons daily.

This mine was reported last year as T. B. Davis Mine, No. 126 of the printed report.

W. R. DAVIS, Supt.

Wm. DRAINER, Mine Foreman.

*DAVIS COAL & COKE COMPANY.**No. 149. New York or No. 41 Mine, Pittsburg Seam, Drift.*

This mine is located 9 miles west of Grafton on the B. & O. R. R. The ventilation which is natural in some sections of the mine and in other sections is produced by furnace is only fairly good. The drainage is bad in large sections of the mine but has been improved in the last year by ditching by considerable expense. The roof is only fair and on date of last visit timbering needed attention throughout the working places. Marsh gas has been discovered in small quantities in the advance workings of this mine but on date of visit it was not discernable by means of the ordinary safety lamp, it was being fairly well taken care of by wooden brattices. The management anticipates the installation of a complete electrical equipment at this mine and have already, so I am informed by them placed their order for this equipment including an electric fan.

With a full force of men this mine is capable of producing 800 tons daily.

This mine was reported last year as New York No. 41 Mine, No. 127 of the printed report.

D. R. PHILLIPS AND

OLIVER JENKINS, Mine Foreman.

H. H. HARRISON, Supts.

ROSEMONT COAL COMPANY.**No. 150. *Rosemont Mine, Pittsburg Seam, Drift.***

This mine is located 11 miles east of Clarksburg on the B. & O. R. R. It is opened up on the double entry system. The ventilation which is natural is very sluggish. Drainage is only fair throughout the mine. The top is good and timbering is being promptly looked after. This mine did not meet with the requirements of the State Mine Law as the cross cuts were being driven very irregularly and in many instances exceeding the distance prescribed by law. The inspector with much insistence on his part finally succeeded in getting an up to date furnace in which I understand through employes of the company is giving exceedingly good satisfaction. This is a pick mine. Coal is hauled to the drift mouth by mules and lowered to the tippie by gravity plane. With a full force of men and present equipment this mine is capable of producing 600 tons daily. The mine also did not meet with the requirements of the law as to the posting of rules and other things which you will notice by reference to my monthly reports.

This was reported last year as Rosemont Mine, No. 128 of the printed report.

J. W. FAHEY, Supt.

JOHN P. McGRAW, Mine Foreman

MARYLAND COAL COMPANY.**No. 151. *Wendel Mine, Pittsburg Seam, Drift.***

This mine is located 13 miles west of Grafton on the branch of the B. & O. R. R. running to their mine which is located at the head of Sand Lick Run. This mine is opened up on the double entry system. There being eight natural and distinct openings from the outside. The ventilation being produced by an eight foot fan. On date of last visit ventilation was fairly good throughout the mine workings. The drainage are fairly good, some water being handled by pumps for reason of the butt entries dipping some, but all room work was dry and also all the face entries were dry. This mine is equipped with all of the latest electrical devices and is one of, if not the model mine of this region. The coal was being undercut on date of visit with picks as the electric machines were not yet installed. but when completed the coal will be undercut and hauled by electricity. With the present mine development and with a full force of men this mine is capable of producing 500 tons daily.

This mine was reported last year as Wendel Mine, No. 129 of the printed report.

GEO. S. BRACKET, Supt.

AUGUST RICKER, Mine Foreman.

THE CECIL COAL AND COKE COMPANY.**No. 152. *Cecil Mine, Upper Freeport Seam, Drift.***

This mine is located seven and one half miles south of Grafton on the G. & B. Division of the B. & O. R. R. They have not yet reached that stage of development that would classify them as a commercial mine.

but they are engaged in constructional work and opening up their mine. They are opening up on the double entry system and are going to operate the upper Freeport seam. They are building a number of mine houses, and my information is that they will put in an up to date plant, and construct coke ovens for the purpose of manufacturing their coke.

This mine was not reported last year.

H. A. LANE, Supt., of Construction.

WINONA COAL AND COKE COMPANY.

Nos. 153 and 154. *Winona Mines Nos. 1 and 2, No. 1 Upper Freeport. Drift, No. 2 Mahoning, Drift.*

These mines are located one half mile north-west of Coffman on the B. & O. R. R. They have been opened up in the past year and as yet have shipped no coal but have leased the ovens belonging to the Bessemer people adjoining their property and have been manufacturing coke since January 1907. No. 1 Mine being in the upper Freeport is from 4½ to 5 feet in thickness and as the coal has considerable impurities in it it has to be cleaned before it will make salable coke. This is done on the inside by the miner. No. 2 mine is operating in the Mahoning seam which is almost absolutely clean. The management informed me that they were making a very good grade of coke and having no trouble whatever in disposing of their product. They are at this time engaged in building an up to date tipple for the purpose of shipping coal and will in a very short time construct a number of coke ovens on their own property. The mine on date of visit complied with the State Mine Law.

These mines were not reported last year.

F. T. ROWLAND, Supt.

G. B. MILLER AND

Wm. GANTZ, Mine Foreman.

OVERHOLT COAL AND COKE COMPANY.

No. 155. *Overholt Mine, Upper Freeport, Drift.*

This mine is located seven and one half miles south of Grafton on the west side of the river. It is opened up on the triple entry system and is not being developed at this time on account of having no railroad connections. This company, however, owns a large acreage of coal and will immediately on the completion of the construction of the B. & N. R. R., begin operation on a large scale as they have expended considerable money at this place and only await the construction of the railroad.

This mine was reported last year as Overholt Mine, No. 74 of the printed report.

C. E. CONAWAY, General Manager.

MOHAWK SMOKELESS COAL COMPANY.

No. 156. *Stone House Shaft, Upper Freeport Seam, Shaft.*

This mine is located 6 miles south of Grafton on the G. & B. Branch of the B. & O. R. R. This mine has not been in operation during the past

year and has not reached that state of development which would classify it as a commercial mine.

This mine was reported last year as Stone House Shaft Mine, No. 130 of the printed report.

GEO. S. BECKWITH, General Manager.

BESSEMER COAL AND COKE COMPANY.

Nos. 157 and 158. *Bush Nos. 1 and 2 Mines, No. 1 Upper Freeport and No. 2 Mahoning, Drifts.*

These mines are located at Coffman 4 miles north of Grafton on the B. & O. R. R. There are 20 coke ovens of the Bee Hive Type. They have not been in operation during the past year and no examinations have been made of the mines.

Officials not known. G. W. Miller, Custodian on the ground.

CLARKSBURG FUEL COMPANY.

No. 159. *Tyrconnell Mine, Pittsburg Seam, Drift.*

This mine is located 11 miles east of Clarksburg on the B. & O. R. R. This mine has not been in operation during the past year.

ROBERT LOVE, SR., Supt.

UPSHUR COUNTY.

PENNSYLVANIA CONSOLIDATED COAL COMPANY.

No. 160. *Penco Mine, Redstone Seam, Shallow Slope.*

This mine is located 4 miles north-west of Buckhannon on the Western and Pickens branch of the B. & O. R. R. The ventilation is produced by a 12 foot fan and has always been sufficient to fully comply with the State Mine Law. This mine liberates small quantities of marsh gas in the advance workings, but on dates of visits, was being taken care of by means of ample ventilation and wooden brattices. The mine is also very dry and dusty in the winter season and my certificates recommend that the mine be kept thoroughly wet so as to prevent the dangerous accumulation of dust. This mine has not been in operation since January, for some unknown reason. This is the mine in which 12 men lost their lives by the explosion of a 25 pound keg of powder on main heading. The top throughout the mine is good. Timbering is being carefully looked after. It is a pick operation but from evidence was found on examination the inspector is lead to believe that most of the coal is shot from the solid. On the date of last visit the mine was found to comply with the State Mine Law. With a full force of men and with the present mine development this mine is capable of producing 200 tons daily.

This mine was reported last year as Penco Mine, No. 131 of the printed report.

W. D. McCAUSLAND, Genl. Supt.

FLOYD GANDY, Mine Foreman.

RED ROCK FUEL COMPANY.**No. 161. *Red Rock Mines Nos. 1 and 2, Red Stone Seam, Drifts.***

These mines are located three and one half miles north west of Buckhannon on the Weston and Pickens branch of the B. & O. R. R. They are opened up on the double entry system and each of them being ventilated by a 7 foot electric Stine fan, and on date of visits the mines were found well ventilated throughout. The drainage was fairly good throughout. The top is good and timbering is being carefully looked after. The coal is undercut by electric chain machines and is hauled to the tipple by electric motors. These mines on dates of visits were complying with the State Mine Law. With a full force of men and with the present development these mines are capable of producing 400 tons daily.

These mines were reported last year as Red Rock Mine, No. 132 of the printed report.

ROBT. LANG, JR., Supt.

THOS. HARRIS AND
FLOYD GANDY, Mine Foremen.

BUCKHANNON RIVER COAL COMPANY.**No. 162. *Florence or Adrian Mine, Mahoning Seam, Drift.***

This mine is located 3 miles west of Sago on the Coal and Coke R. R. This mine is opened up on the triple entry system. Ventilation which is produced by a furnace was found fairly good on date of last visit. The top is exceedingly good. Timbering is good. Sanitary conditions of all kinds are to be considered good in this mine. This mine has 20 coke ovens of the Bee Hive type and they are engaged in the manufacture of coke which they claim is giving very good satisfaction in the market. They also have temporary tipple built and are shipping coal. The coal is undercut by picks, hauled to the drift mouth by mules. This mine was not reported last year. With the present mine development and with a full force of men this mine is capable of producing 200 tons daily.

I. W. RECKARD, Supt.

G. W. SWIFT, Mine and Coke Foreman.

NEWCOMER COAL COMPANY.**No. 163. *Newcomer Mine, Pittsburg Seam, Drift.***

This mine is located seven and one half miles north of Buckhannon on the Buckhannon and Belington Branch of the B. & O. R. R. They are engaged at this time with their structural work of building tipple, driving entries, building houses, &c., but they have not yet reached that stage of development that would classify them as a commercial mine. Plans have been examined and approved by the inspector.

W. P. HURST, Prest

G. L. CAMPBELL, Supt.

THIRD DISTRICT.

GENERAL SUMMARY OF THE THIRD DISTRICT FOR THE YEAR
ENDING JUNE 30, 1907.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.								Production of		
			Inside.					Outside.			Coal (tons of 2,240 lbs)	Coke (tons of 2,000 lbs)	
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total			Sum Total.
Grant.....	8	..	85	80	28	51	244	41	....	41	285	271,542	.....
Mineral....	19	1	535	25	4	94	658	95	....	95	753	607,172	.....
Preston.....	24	4	551	354	82	309	1,296	169	216	385	1,681	1,079,692	222,846
Randolph...	7	2	317	5	2	95	419	70	127	197	616	609,880	244,054
Tucker.....	12	26	593	115	24	262	994	122	193	315	1,809	1,005,219	262,951
Totals.....	65	33	2,081	579	140	811	3,611	497	538	1,035	4,644	3,573,005	729,85

OFFICE OF THE THIRD DISTRICT MINE INSPECTOR.

Independence, W. Va., August 26, 1907.

HON. J. W. PAUL,
Chief of Department of Mines,
Charleston, W. Va.

Dear Sir:— I herewith respectfully submit to you my annual report as Inspector of Mines of the Third District of West Virginia for the year ending June 30, 1907.

There are 65 mines in this district and I am glad to say there is considerable improvement in the ventilation and drainage in the majority of these mines, while in others there is little or no improvement, the companies and mine officials not seeming to realize the importance of keeping their mines in first class condition.

With few exceptions the mining laws have been complied with. In some of the mines I have found full kegs of powder taken into the mine, and where the coal is not mined by machines, shooting on the solid is practiced almost exclusively, from the fact that the big majority of the men working in the mines are foreigners and have little knowledge of coal mining; and it is by this class of men the law in regard to taking powder into the mines is violated. It is almost impossible to make them realize the danger, or to make them understand they must comply with the law.

The oil used in the mines in this District, with a few exceptions, I think is of very fair quality. On several occasions in making inspections of oil I have found motor men and drivers using a mixture of kerosene and machine oil. They always pleaded ignorance of the law.

The majority of the mines have been running full time in the last year.

There have been three new openings made in this District during the last year. One in Mineral County, the New Creek Mine, operated by the Masteller Coal Company; and two in Preston County, the Kingwood Mine of the Elkins Coal and Coke Company, and the No. 1 Mine of the Preston County Coke Company. The last named expects to put in an up to date coke plant and convert the entire output of their mine into coke. They have 100 ovens now in course of construction.

There has been one serious disaster, in this District in the last year in which twenty-five men in all lost their lives, caused by a gas explosion in No. 25 Mine of the Davis Coal & Coke Company at Thomas, W. Va. There were twenty-four killed by the explosion and the Superintendent, D. R. Jones, lost his life after the explosion, being overcome by the after-damp.

There have been some other fatal and non-fatal accidents during the year, occurring from various causes incident to coal mines, reports of all which have been forwarded you.

I have no injunctions or fines to report at this time.

In conclusion I want to thank you cordially for your able counsel and kind courtesy, as well as the employers and employes in this District for the consideration and treatment I received.

I am, very respectfully your,

JOHN F. BRATT.

Mine Inspector Third District.

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CONDITION OF THE MINES IN THE THIRD DISTRICT.

GRANT COUNTY.

DAVIS COAL & COKE COMPANY.

No. 164. *Henry Shaft Mine No. 22.*—This mine is located at Henry on the W. M. R R. and on the Potomac River. This is a shaft 198 feet deep, to the coal, operating the Upper Freeport coal on the double entry system. The ventilation, produced by a 16 ft. fan, is fairly good. The drainage is fairly good. The roof in this mine is a hard slate and is well timbered and looked after. Shooting on the solid is not practiced, the coal is all undercut with electric machines. The powder, so far as I could see, was carried in the mine in cans of 5 pounds capacity. This mine of late liberates small quantities of explosive gas in some portions of it. The oil used for illuminating purposes is a very fair quality. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand, and rules posted. With the present mine development and equipment, this mine is capable of producing 900 tons of coal per day. This mine was reported last year as Henry Shaft No. 22, No. 133 of the printed report.

JAMES G. BOYD, Supt.

H. G. SMITH and ALBERT SAWERS, Mine Bosses.

THOMAS WELCH, Fire Boss.

No. 165. *Henry Shaft No. 33.* This mine is located at Henry on the W. M. R. R. and is a shaft 419 feet deep, to the coal, operating the Lower Kittanning coal on the double entry system. This mine has not been in operation in the last year. On my last visit in March, 1907, the Superintendent informed me that he was preparing to resume operations at once. This mine was reported last year as Henry Shaft No. 33, No. 134 of the printed report.

JAMES G. BOYD, Supt.

BUFFALO CREEK CUMBERLAND COAL COMPANY.

No. 166. *Buffalo Creek Mine.*—This mine is located one mile south of Bayard on the W. M. R. R., and on Buffalo Creek. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a 12 foot fan, is fairly good, except in some portions of the mine where the break-throughs and brattices have been neglected. On my last visit to this mine I found it necessary to order several of the miners to stop working their places until the break-throughs were driven and their places properly ventilated. The drainage is fair. The roof is fairly good and is fairly timbered. Shooting on the solid is still practiced to some extent. The powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes is of a fair quality. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand and rules are posted. With the present mine development and equipment this mine is capable of producing 500 tons of coal daily.

This mine was reported last year as Buffalo Creek Mine, No. 135 of the printed report.

RICHARD D. WADDEL, Supt., and Mine Boss.

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MINERAL COUNTY.

DAVIS COAL AND COKE COMPANY.

No. 167. *No. 14 Mine.*—This mine is located on the Elk Garden Branch of the W. M. R. R., and is a drift opening operating the Upper Freeport coal on the double entry system. This mine shipped its first coal in July 1906. The mine and tippie are connected by an incline plane of about 400 feet. The ventilation is produced by a furnace and is fair. The drainage and general safety are fairly good. The roof in this mine is good. Timbering good. The oil used for illuminating purposes is of a fair quality. Shooting on the solid is practiced somewhat in this mine. The powder is carried into the mine in cans of 5 pounds capacity. Rules are posted. With present mine development and equipment this mine is capable of producing 150 tons per day.

This mine was reported last year as No. 14 Mine, No. 136 of the printed report.

LEE OTT AND H. H. HARRISON, Supts.

F. C. PATTON, Mine Boss.

No. 168. *No. 20 Mine.*—This mine is located near Blaine on the W. M. R. R., and is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a furnace, is fair. On my last visit I was informed by the mine boss that the company proposes installing a fan in the very near future. The roof is very hard slate and is very well timbered. The drainage is good. Shooting on the solid is practiced almost exclusively in this mine. The oil used for illuminating purposes is of a fair quality. So far as I could see the powder was carried into the mine in cans of 5 pounds capacity. With the present development and equipment this mine is capable of producing 250 tons per day. Blankets and stretchers kept on hand. Rules posted.

This mine was reported last year as No. 20 Mine, No. 137 of the printed report.

LEE OTT AND

H. H. HARRISON, Supts.

B. S. COLEMAN AND

L. D. VAUGHN, Mine Bosses.

No. 169. *No. 9 Mine.* This mine is located on the Elk Garden Branch of the W. M. R. R., and on Abrams Creek. It is a drift opening operating the Pittsburg coal. The ventilation is natural and very good. The rooms and entries have not any great distance to go until they reach the crop which makes the ventilation very good. There is no powder used in mining the coal. The drainage is fair. The roof in this mine is treacherous but is well looked after and well timbered. The general safety is fairly good. The oil for illuminating purposes is of a fair quality. The second opening meets all the requirements of the law. With present mine development and equipment this mine is capable of producing 1000 tons per day. Blankets and stretchers kept on hand.

This mine was reported last year as No. 9 Mine, No. 138 of the printed report.

LEE OTT AND H. H. HARRISON, Supts.

JACOB OTT, Mine Boss.

No. 170. *No. 6 Elk Garden Mine.* This mine is located at Elk Garden on the Elk Garden Branch of the W. M. R. R. It is a drift opening operating the Pittsburg coal. The work in this mine consists of robbing the pillars preparatory to abandonment. The ventilation is produced by a 15 foot fan and has always been found ample. The drainage is fairly good. The oil is of a fair quality. Blankets and stretcher kept on hand. Rules are posted. This mine is capable of producing 300 tons per day.

This mine was reported last year as No. 6 Elk Garden Mine, No. 139 of the printed report.

LEE OTT AND H. H. HARRISON, Supts.

FOSTER WILSON, Mine Boss.

No. 171. *No. 19 Mine.* This mine is located near the West Virginia Junction on the W. M. R. R., and on Montgomery Run. It is a drift opening operating the Lower Kittanning on the double entry system. The ventilation, produced by a 10 foot fan, has always been found good and well distributed throughout the mine. The drainage is good. General safety is good. The roof is fairly good and well timbered. The powder is carried into the mine in cans of 5 pounds capacity. Shooting

on the solid is not much practiced. The second opening meets the requirements of the law. Blankets and stretcher kept on hand. Rules posted. With the present mine development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as No. 19 Mine, No. 140 of the printed report.

O. TIBBETS, Supt.

JOSEPH A. TIBBETS, Mine Boss.

No. 172. *No. 50 Mine.* This mine is located on Montgomery Run near the West Virginia Junction of the W. M. R. R. It is a drift opening operating the 4-foot seam of coal. This mine has not been in operation much in the last year. The ventilation is not good and the management closed it down until such time as they could install a fan and put it in a satisfactory condition. It is an old mine and was abandoned. The present company reopened it some two years ago and have spent considerable money building an incline plane and other improvements.

This mine was reported last year as No. 50 Mine, No. 141 of the printed report.

O. TIBBETS, Supt.

JOSEPH TIBBETS, Mine Boss.

No. 173. *No. 51 Mine.*—This mine is located on Montgomery Run near the West Virginia Junction of the W. M. R. R. It is a drift opening operating the 4-foot seam of coal on the double entry system. There was a furnace installed in this mine but it gave poor results and the company intended installing a fan, but at the time I visited this mine last it was not in operation. The very heavy rainfall caused the hillside to slip and closed the mouth of the drift and the second opening, and the company had not reopened it at that time. This mine was reported last year as No. 51 Mine, No. 142 of the printed report.

O. TIBBETS, Supt.

JOSEPH TIBBETS, Mine Boss.

SMITH COAL COMPANY

No. 174. *Smith Mine.*—This mine is located at Blaine on the W. M. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a 10 foot fan, has always been found good and well distributed throughout the mine. The drainage and general safety are good. The roof is a hard slate and very good. Shooting on the solid is practiced to some extent. The powder is carried into the mine in cans of 5 pounds capacity. Blankets and stretcher kept on hand. The oil used for illuminating purposes is of a fair quality. The second opening meets all the requirements of the law. With the present mine development and equipment and a full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Smith Mine, No. 143 of the printed report.

R. A. SMITH, Supt.

W. D. WALKER, Mine Boss.

PIEDMONT AND POTOMAC COAL COMPANY.

No. 175. *Virginia or Piedmont Hill Mine.*—This mine is located at

Piedmont on the B. & O. R. R., is a drift opening operating the Lower Kittanning coal on the double entry system. This mine changed hands within the last year. The ventilation is produced by a small furnace which never gives good results. On my last visit the Superintendent informed me that the company had ordered a fan and it was then at the depot and would be installed at once. The drainage is good. The roof in this mine is very treacherous, but is fairly well looked after and timbered. Shooting on the solid is not much practiced now. The oil used for illuminating purposes is of a very fair quality. So far as I could see the powder is carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. Blankets and stretcher kept on hand. Rules not posted. With the present mine development and equipment this mine is capable of producing 150 tons per day.

This mine was reported last year as the Virginia Mine, No. 144 of the printed report.

DANIEL ASKEY, Supt.

Wm. ASKEY AND

W. J. BARNARD, Mine Bosses.

THE BIG VEIN COAL COMPANY OF WEST VIRGINIA.

No. 176. *Big Vein or Armstrong Mine*.—This mine is located near Shaw on the W. M. R. R., and is a drift opening operating the Pittsburg coal. The ventilation is natural and fairly good. The drainage is good. The roof is rather bad but is very well timbered. The oil used for illuminating purposes is of a fair quality. There is no powder used in this mine. The second opening meets all the requirements of the law. There were no rules posted nor stretcher nor blanket kept on hand. The attention of the management was called to this on each of my visits to this mine and they assured me the law in this respect would be complied with. With present mine development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as Big Vein Mine, No. 145 of the printed report.

C. F. JORDAN, Supt.

W. S. BEAVER, Mine Boss.

No. 177. *Four-foot Mine*. This mine is located near Shaw on the W. M. R. R. It is a drift opening operating the 4-foot seam of coal. This mine has not been in operation at either of my visits in the last two years and was not inspected. This mine was reported last year as Four-foot Mine, No. 146 of the printed report.

C. F. JORDAN, Supt.

W. S. BEAVER, Mine Boss.

TAYLOR COAL COMPANY.

No. 178. *Taylor Mine*. This mine is located on the Elk Garden Branch of the W. M. R. R., and on Abrams Creek. It is a drift opening operating the Upper Freeport coal. This mine has not been inspected by me from the fact there were not enough men working in the mine to bring it

under the jurisdiction of the Mine Law. This mine was reported last year as Taylor Mine, No. 147 of the printed report.

Wm. C. LAREW, Supt., and Mine Boss.

MASTELLER COAL COMPANY.

No. 179. *Hampshire or Four-foot Mine.*—This mine is located at Hampshire on the W. M. R. R. It is a drift opening operating the Four-foot seam of coal on the double entry system. The ventilation, produced by a 10 foot fan, has not always been satisfactory by reason of the break-throughs not being driven the proper distance apart and the brattices not kept up. The attention of the Superintendent and Mine Boss was called to this fact, and they agreed to give it their immediate attention and did. The roof in this mine is fairly good. The oil used for illuminating purposes is of a fair quality. There is very little powder used in this mine in getting the coal. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand. With the present mine development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as Hampshire Mine, No. 148 of the printed report.

M. MASTELLER, Supt.

HENRY BYERS, Mine Boss.

No. 180. *New Creek Mine.*—This mine is located at Hampshire on the W. M. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation at present is produced by a furnace and is fair. The company expects to install a fan in the near future. The roof is a rather hard slate and is good. The drainage is fairly good. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. The coal from this mine is dumped over the same tipple as the coal from the Hampshire Four-foot. This is a new operation and was not reported last year.

M. MASTELLER, Supt.

HENRY BYERS, Mine Boss.

ABRAMS CREEK COAL AND COKE COMPANY.

No. 181. *Oakmont Mine.*—This mine is located on the Elk Garden Branch of the W. M. R. R., and on Abrams Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a small furnace, has never been satisfactory. The drainage is fairly good. The roof in this mine is good. Shooting on the solid is practiced exclusively. The oil used for illuminating purposes is of a fair quality. So far as I could see the powder is carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. On my last visit the company was installing an electric plant and intend to install a fan which will make the ventilation all right.

This mine was reported last year as Oakmont Mine, No. 149 of the printed report.

JAMES CARTER AND

JAS. SEAMEN, Mine Boss.

J. G. KINKEAD, Supts.

GLEASON COAL AND COKE COMPANY.

No. 182. *Gleason No. 1 Mine.*—This is a small mine on the W. M. R. R. two miles south-west of Harrison. It is a drift opening, operating the Upper Kittanning coal. This mine has not been in operation during the last year. This mine was reported last year as Gleason No. 1 Mine, No. 150 of the printed report.

JOHN M. DAVIS, Supt., and Mine Boss.

No. 183. *Gleason No. 2 Mine.*—This mine is located two miles south of Harrison on the W. M. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a furnace which has been installed in the last year, is fairly good. The drainage is good. The roof is a hard slate and is good. Shooting on the solid is practiced some in this mine. The oil used is a fair quality. The second opening meets all the requirements of the law. Blankets and stretchers were not on hand. Rules not posted. With the present mine development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as Gleason No. 2 Mine No. 151 of the printed report.

J. M. DAVIS, Supt.

J. H. SMITH, THOS. MALOY AND
S. S. HARVEY, Mine Bosses.

GLADE RUN COAL AND COKE COMPANY.

No. 184. *Sara or Schell Mine.*—This mine is located at Schell on the W. M. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation is produced by a small furnace which does not give good results. The drainage is good. The roof is fairly good, being a hard slate. The powder so far as I could see is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes is of a fair quality. There were no blankets nor stretcher kept on hand. No rules posted. The second opening did not meet all the requirements of the law. On my last visit to this mine I recommended there be a new second opening made and a fan installed as soon as possible. With the present mine development and equipment this mine is capable of producing 100 tons per day.

This mine was not reported last year as it is a new operation.

LOYD NEWEL, EDWARD GORMAN AND D. I. SEATTERY, Supts.

LOYD NEWEL, B. W. HAVEY AND SIDNEY MURPHY, Mine Bosses.

PIEDMONT BRICK AND COAL COMPANY.

No. 185. *Piedmont Mine.*—This mine is located one mile east of Piedmont on the B. & O. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. This mine from some cause has not been in operation during the greater portion of the last year and was not inspected.

This mine was reported last year as Piedmont Mine, No. 152 of the printed report.

B. R. SHULTIC, Supt.

PRESTON COUNTY.

AUSTEN COAL AND COKE COMPANY.

No. 186. *Austen No. 1 Mine.*—This mine is located on the B. & O. R. R., and on Raccoon Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 10 foot fan, but is not well distributed. The company are driving an air course and when completed will make the ventilation satisfactory. The roof in this mine is a soft slate and dangerous but is very well looked after and timbered. The drainage is very poor in some parts of the mine but the management is making an effort to better the conditions. Shooting on the solid is not practiced in this mine. The powder is carried into the mine in 5 pound cans. The oil used for illuminating purposes is of a fair quality. Blankets and stretchers are kept on hand, and rules are posted. The second opening meets the requirements of the law. With the present mine development and equipment and a full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Austen No. 1 Mine, No. 153 of the printed report.

F. W. HORCHLER, Supt.

A. R. MURPHY, Mine Boss.

No. 187. *Austen No. 2 Mine.*—This mine is located on Raccoon Creek 4 miles east of Newburg. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by an 8 foot fan and is good, being well distributed throughout the mine. The drainage is good. The roof in this mine is principally a hard sand rock, but in some parts of the mine there is a slate between the coal and rock somewhat dangerous but is kept well timbered and well looked after. Shooting on the solid is not practiced in this mine. The powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes is sold by the operating company and is of a fair quality. Blankets and stretchers kept on hand and rules posted. With the present mine development and equipment and a full force of men this mine is capable of producing 400 tons per day. The second opening of this mine meets all the requirements of the law.

This mine was reported last year as Austen No. 2 Mine, No. 154 of the printed report.

F. W. HORCHLER, Supt.

G. R. COOK, Mine Boss.

HAMILTON COAL AND COKE COMPANY.

No. 188. *Newburg Shaft.*—This mine is located at Newburg on the B. & O. R. R. It is a shaft 170 feet deep operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 20 foot fan and has always been found good and well distributed throughout the mine. The coal is principally mined with the puncher machines. Shooting on the solid is not practiced in this mine. The roof is good being a hard sand rock. The drainage is fairly good. The oil used for illuminating purposes is of a fair quality. Blankets and stretchers kept

on hand. The second opening does not meet all the requirements of the law as yet. The hoisting machinery has not been yet installed at the air shaft. This mine liberates considerable explosive gas but owing to the good ventilation there is no standing gas found. With the present mine development and equipment and a full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Newburg Shaft, No. 155 of the printed report.

F. A. HUSTED, Supt.

JOHN McNEIL, JAS. BEAN AND
E. L. GRIFFITHS, Mine Bosses.

J. W. GRIMM AND R. STURMS, Fire Bosses.

GORMAN COAL AND COKE COMPANY.

No. 189. *Gorman No. 1 Mine.*—This mine is located on the B. & O. R., one mile west of Tunnelton. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is very poor. This mine has been working very little in the last two years and has not been inspected but once. They were preparing to install a small furnace which will improve the ventilation somewhat. The drainage and general safety are fair. The roof is fairly good, being a hard slate. The oil used for illuminating purposes is of a fair quality. With present mine development and equipment this mine is capable of producing 50 tons per day. The second opening meets the requirements of the law. This mine was reported last year as Gorman No. 1 Mine, No. 156 of the printed report.

DOUGLAS GORMAN AND
GEO. ALEXANDER, Supts.

B. F. WILLIAMS Mine Boss.

No. 190. *Gorman No. 2 Mine.*—This mine is located on the B. & O. R., on Raccoon Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. There are two openings at this plant, Nos. 1 and 2, which are not yet connected. No. 1 is ventilated by a furnace and No. 2 by a 10 foot fan. The ventilation and drainage in these openings are fairly good. The roof is a hard sand rock and safe. Shooting on the solid is still practiced to some extent. The powder is carried into the mine in cans of 5 pounds capacity so far as I could see. The oil used for illuminating purposes is of a fair quality. With the present mine development and equipment and a full force of men this mine is capable of producing 300 tons per day. Blankets and stretchers kept on hand and rules posted.

DOUGLAS GORMAN AND
GEO. ALEXANDER, Supts.

JOHN WELCH, Mine Boss.

No. 191. *Gorman No. 4 Mine.*—This is a drift mine operating the Upper Freeport coal. This is a new mine and was not reported last year.
GEO. ALEXANDER, Supt. JOHN WELCH, Mine Boss.

IRONA COAL COMPANY.

No. 192. *Irona No. 1 Mine.*—This mine is located 2 miles west of Kingwood on the W. Va. N. R. R. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 10 foot fan and is fairly good except in some of the advanced workings. This opening is connected with No. 3 and the coal is all hauled through No. 3 on to No. 2 tipple. The roof in this mine is good. The drainage is good. The oil used for illuminating purposes is of a fair quality. The second opening meets all the requirements of the law. The powder so far as I could see was carried in the mines in cans of 5 pounds capacity. Blankets and stretchers kept on hand. There were some recommendations made in regard to bettering the ventilation in this mine which I feel sure will be carried out. With the present mine development and equipment and a full force of men this mine is capable of producing 300 tons per day.

This mine was reported last year as Irona No. 1 Mine, No. 158 of the printed report.

C. W. SANDRIDGE AND T. R. SPENCER, Supts.

T. R. SPENCER AND CLAUDE STARR, Mine Bosses.

No. 193. *Irona No. 2 Mine.*—This mine is located 2 miles west of Kingwood on the W. Va. N. R. R., and on Morgans Run. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a small furnace which does not give very satisfactory results. On my last visit the ventilation was somewhat improved by the furnace stack being raised higher. The roof in this mine is principally sand rock. The powder is carried into the mines in cans of 5 pounds capacity. The oil used for illuminating purposes I think meets the requirements of the law. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand. With the present mine development and equipment and a full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Irona No. 2 Mine, No. 159 of the printed report.

C. W. SANDRIDGE AND T. R. SPENCER, Supts.

T. R. SPENCER AND CLAUDE STARR, Mine Bosses.

MERCHANTS COAL COMPANY.

No. 194. *Tunnelton No. 1 Mine.*—This mine is located at Tunnelton on the B. & O. R. R. It is a drift opening operating the Upper Freeport coal on the double entry system. This mine has not been in operation for the last two years until recently. They are making a final robbing of pillars preparatory to abandonment. The ventilation is natural and is fairly good. The drainage is fair. General safety fairly good. The roof is generally a hard sand rock. The powder is carried into the mine in cans of 5 pounds capacity. Reported last year as Tunnelton No. 1 Mine, No. 161 of the printed report.

GEORGE CUMMINGS, SR., Supt.

THOS. CLARK, Mine Boss.

No. 195. *Merchants or Tunnelton No. 2 (and No. 3) Mines.*—These mines are located at Tunnelton on the B. & O. R. R., and are drift openings operating the Upper Freeport coal on the double entry system. No. 3 has not been in operation for the last two years and has not been inspected by me.

No. 2 has been regularly inspected four different times during the last year. The ventilation, produced by a 16 foot fan, has always been very good. The drainage and general safety are fairly good. The roof is generally sand rock except in some of the headings where it is of a rather treacherous slate but is well timbered and well looked after. So far as I could see the powder law is strictly complied with. Shooting on the solid is not practiced. The second opening meets all the requirements of the law. With the present mine development and equipment this mine is capable of producing 1200 tons per day.

This mine was reported last year as Tunnelton Nos. 2 and 3 Mines, No. 162 of the printed report.

GEORGE CUMMINGS, SR., Supt.

Wm. EDWARD AND

G. M. RENSHAW, Mine Bosses.

OAKLAND COAL AND COKE COMPANY.

No. 196. *Corinth Mine.*—This mine is located at Corinth on the B. & O. R. R., and on Snowy Creek. It is a drift opening operating the Upper Freeport coal, partly on the double entry system. The ventilation, produced by a 12 foot fan, is poor in some portions of the mine by reason of the brattices being neglected and break-throughs not driven the proper distance apart. The attention of the mine management has been called to this fact in a somewhat forcible manner and they are making the necessary effort to put the mine in a satisfactory condition. The roof is excellent, being tough sand rock. The drainage is fair. Shooting on the solid is practiced very much in this mine. So far as I could see the powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes was of a fair quality, except the drivers were using a mixture of coal oil. There are no rules posted. Blankets and stretchers are kept on hand.

With the present mine development and equipment this mine is capable of producing 300 tons per day.

This mine was reported last year as Corinth Mine, No. 163 of the printed report.

S. H. JORDAN, Supt.

JOHN HENRY AND

Wm. BURKE, Mine Bosses.

KINGWOOD COAL COMPANY.

No. 197. *Howesville Mine.*—This mine is located on the W. Va. N. R. R., five miles west of Kingwood. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a small furnace and is not satisfactory of late, as the workings have become too extensive for the furnace to properly ventilate. I recom-

mended that a fan be installed. The roof is a hard sand rock. The drainage and general safety are good. The powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes is of a fair quality. Shooting on the solid is not much practiced. Blankets and stretchers kept on hand and rules posted. With the present mine development and equipment, this mine is capable of producing 350 tons per day.

This mine was reported last year as Howesville Mine, No. 164 of the printed report.

V. E. GOECKE AND W. B. EDWARDS, Supts.

THOS. MACKEY AND W. B. EDWARDS, Mine Bosses.

HITE COAL AND COKE COMPANY.

No. 198. *Dixie Mine.*—This mine is located on the B. & O. R. R., and on Raccoon Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a furnace and has always been very good. The air is very well distributed around the working faces. The drainage and general safety are good. The roof is a hard sand rock. Shooting on the solid is not practiced in this mine. The powder is carried into the mine in 5 pound cans. Blankets and stretchers kept on hand and rules posted. The second opening meets all the requirements of the law. With the present development and equipment this mine is capable of producing about 150 tons per day.

This mine was reported last year as Dixie Mine, No. 165 of the printed report.

R. M. HITE, Supt.

ALF. FORTNEY, Mine Boss.

ORR COAL AND COKE COMPANY.

No. 199. *Vulcan Mine.*—This mine is located on the B. & O. R. R., and on Raccoon Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 10 foot fan and is fairly good at present. The main air course has been cleaned up and the brattices all repaired which makes a great improvement in the ventilation. The drainage and general safety are fairly good. The roof in some parts of the mine is sand rock and in some places is a very treacherous slate, but is well timbered and looked after. The oil used for illuminating purposes is of a fair quality. The second opening meets the requirements of the law. Blankets and stretchers are kept on hand. With the present development and equipment this mine is capable of producing 350 tons per day. The powder law I think is strictly observed in this mine.

This mine was reported last year as Vulcan Mine, No. 166 of the printed report.

J. M. ORR, Supt.

F. E. DAWSON, Mine Boss.

THE MANUFACTURERS COAL AND COKE COMPANY.

Nos. 200 and 201. *Victoria Nos. 1 and 2 Mines.*—These mines are located on Three Fork Creek one mile north of Hardman on the B. & O. R. R. No.

1 is a drift opening in the Lower Kittanning seam but has not been in operation for the past two years.

No. 2 is a slope opening operating the Lower Kittanning seam partly on the triple entry system. This mine generates considerable explosive gas but is fairly well ventilated by a 10 foot Robinson fan and at present is well looked after as regards gas. The roof is rather hard slate and is fairly good. The drainage is good except on some of the haulways. The oil used is fairly good. Shooting on the solid is practiced but very little. The powder is taken into the mines in cans of 5 pounds capacity. Blankets and stretchers are kept on hand. With the present development and full force of men this mine is capable of producing 300 tons per day. The second opening meets with the requirements of the law.

These mine were reported last year as Victoria Nos. 1 and 2 Mines, Nos. 167 and 168 of the printed report.

J. H. HUMPHREYS, Supt., and Mine Boss. Wm. McGINNIS, Fire Boss.

PENNSYLVANIA CONSOLIDATED COAL COMPANY.

No. 202. *Shrader Mine*.—This mine is located on Three Fork Creek, one and one half miles north of Hardman on the B. & O. R. R. This is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation is produced by a 10 foot fan and has always been fairly good and fairly well distributed throughout the mine. This mine is somewhat dry and dusty but is kept fairly well watered and damp. This mine of late has been generating fire damp in small quantities. I have had the management to employ a fire boss and keep the fan running day and night. The roof is a slate and very good. The second opening meets all the requirements of the law. This mine closed down indefinitely two months ago. This mine was reported last year as the Shrader Mine, No. 169 of the printed report.

CHAS. FORTNEY AND R. B. YOUNGKINS, Supts.

L. LEWIS AND J. M. PHILLIPS, Mine Bosses.

ATLANTIC COAL AND COKE COMPANY.

No. 203. *Atlantic Mine*.—This mine is located three miles east of Tunnelton on Pringles Run. It is a drift opening operating the Upper Freeport coal on the triple entry system. The ventilation is produced by a 16 foot Robinson fan, and has always, in the last year, been found good. The drainage and general safety are good. The oil used for illuminating purposes meets the requirements of the law. The roof is a hard sand rock. The powder is carried into the mine in cans of 5 pounds capacity. Blankets and stretchers kept on hand. With the present mine development and equipment this mine is capable of producing 350 tons per day.

The second opening meets all the requirements of the law.

This mine was reported last year as Atlantic No. 1 Mine, No. 170 of the printed report.

C. W. SANDRIDGE and R. S. LA RUE, Supts.

THOS. MACKEY AND JOHN MORRISON, Mine Bosses.

ELKINS COAL AND COKE COMPANY.

No. 204. *No. 2 or Bretz Mine.*—This mine is located at Bretz on the M. & K. R. R., and on Deckers Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 16 foot Robinson fan which produces a good volume of air but is not well conducted around the working faces as it should be. The roof is good. This seam is nearly 6 feet thick here and about 2 feet next the top it not taken out as it is not good for coking purposes, and forms an excellent and safe roof. The oil used is of a very poor quality. I took the matter up with the general manager and he assured me he would have a better quality of oil used. The powder is carried into the mine in cans of 5 pounds capacity. Blankets and stretchers kept on hand. The second opening meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 700 tons per day.

This mine was reported last year as No. 2 Mine, No. 171 or the printed report.

J. B. HANFORD, Supt.

G. B. MILLER, JAMES MALONY

AND J. Y. RALSTON, Mine-Bosses.

No. 205. *Kingwood or No. 4 Mine.*—This mine is located one mile north of Kingwood and is on the M. & K. R. R. There are two openings at this plant, Nos. 1 and 2, operating the Upper Freeport coal on the double entry system. The ventilation in No. 1 opening is produced by a 16 foot fan and is good throughout the mine. The drainage is good. The roof is a sand rock. The general safety is fair.

No. 2 opening is ventilated by a Clifford fan, 4 feet in diameter, and is good throughout the mine. The drainage and general safety are fair. The roof is sand rock. The oil used for illuminating purposes is fairly good. The second opening at this plant meets all the requirements of the law. With the present mine development and equipment this plant is capable of producing 300 tons per day. The powder is carried into the mine in cans of 5 pounds capacity. This plant was reported last year as No. 4 Mine, No. 172 of the printed report.

J. B. HANFORD, Supt.

R. R. BEVERIDGE, Mine Boss.

No. 206. *No. 6 Mine.* This is a new plant started within the last year and is located at Masontown on the M. & K. R. R., and on Deckers Creek. There are two openings operating the Upper Freeport coal on the double entry system. They intend to connect one of the openings with Bretz No. 2 Mine. The other opening will be operated as No. 6 They are shipping just a little coal at present.

J. B. HANFORD, Supt.

J. S. MARTIN, Mine Boss.

PRESTON COUNTY COKE COMPANY.

No. 207. *No. 1 Mine.*—This is a new operation started within the last few months. It is a drift opening operating the Upper Freeport coal.

The company expects to convert the entire output of the mine into coke. There are 100 coke ovens now in course of construction.

EVERHART BIERER, Supt.

J. B. HAILE, Mine Boss.

RANDOLPH COUNTY.

DAVIS COLLIERY COMPANY.

No. 208. *No. 1 or Coalton Mine.*—This mine is located 5 miles above Roaring Creek Junction and on Roaring Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a 20 foot Robinson fan, has always been found good, each heading is ventilated separately. The drainage is good. The roof is a very hard slate and is good. Shooting on the solid is practiced. It was formerly the practice to take full kegs of powder into the mine, but that practice has been abandoned. The company has built a house with partitions just the size for holding a keg of powder and each miner is furnished one of these partitions with a lock and key and keeps his powder in it and takes his powder into the mine each day in a can of 5 pounds capacity. The oil used for illuminating purposes meets the requirements of the law. Blankets and stretchers kept on hand. The second opening meets all the requirements of the law. With the present mine development and equipment this mine is capable of producing 800 tons per day.

This mine was reported last year as Colliery No. 1, No. 173 of the printed report.

A. C. FINLEY AND F. C. CORNET, Supts.

ED. WILLIAMS AND JOHN CONDRY, Mine Bosses.

No. 209. *No. 3 or Harding Mine.*—This mine is located at Harding on the W. M. R. R. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 10 foot fan and on my last visit was good, being very much improved by putting in overcasts and repairing the brattices. The drainage is good. There are about 2 feet of head coal left which makes an excellent roof. Shooting on the solid is practiced some in this mine. The powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes meets the requirements of the law, except that used by motor men and drivers. I found them using a mixed oil.

This mine is capable of producing 600 tons per day.

Blankets and stretchers kept on hand. The second opening meets all the requirements of the law.

This mine was reported last year as Colliery No. 3, No. 174 of the printed report.

A. C. FINLEY AND A. C. DAVIS, Supts.

A. C. DAVIS AND W. S. WILSON, Mine Bosses.

No. 210. *Grassy Run Mine.*—This mine is located on the C. & C. R. R., and on Grassy Run. It is a drift opening in the Upper Freeport coal. This mine has not been in operation for the past two years. This mine was reported last year as Grassy Run Mine, No. 175 of the printed report.

DAVIS COAL & COKE COMPANY.

No. 211. *Weaver No. 1 Mine.*—This mine is located on the Beaver Creek & Belington R. R., and on Beaver Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a 12 foot fan, has always been good until my last inspection when it was found rather poor, owing to the airways being choked and the brattices being neglected. The drainage is fair. The roof in this mine is a rather soft slate but is fairly well timbered. The oil used for the illuminating purposes is of a fair quality. Blankets and stretchers kept on hand. Shooting on the solid is practiced to some extent. Powder is carried into the mine in cans of 5 pounds capacity.

The second opening meets all the requirements of the law. With the present mine development and full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as Weaver No. 1 Mine, No. 176 of the printed report.

M. L. GARVEY, Supt.

JOSEPH TODD AND
W. F. REEVES, Mine Bosses.

No. 212. *Weaver No. 2 Mine.*—This mine is located on the Belington & Beaver Creek R. R., and on Beaver Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is produced by a 12 ft. fan and has formerly been found good, but on my last visit I found the brattices not kept up, the cross-cuts not driven regularly and the ventilation not so good. The drainage is good. The grades in this mine are very steep. There has been a rope haulage installed here in the past year. The roof is slate and somewhat bad but is well timbered and looked after. The coal is nearly 8 ft. thick and of good quality. The powder is carried into the mine in cans of 5 pounds capacity. The oil used for illuminating purposes is sold by the operating Company and is of a fair quality. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand. With present mine development and equipment this mine is capable of producing 500 tons per day. This mine was reported last year as Weaver No. 2 Mine, No. 177 of the printed report.

M. L. GARVEY, Supt.

W. F. REEVES and THOS. MACKEY, Mine Bosses.

No. 213. *No. 5 or Leiter Mine.* This mine is located on the C. & C. R. R. one mile from Roaring Creek Junction. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a furnace, is not very satisfactory. The coal in this mine does not show up very well, it is low and faulty. The Company is driving entries with a view of prospecting the coal. There are not many miners working in this mine. The roof is principally a hard slate. Shooting on the solid is practiced. The oil used for illuminating purposes is of a fair quality. The second opening meets all the requirements of the law. Blankets and stretchers not kept on hand, nor rules posted. With the

present mine development and equipment this mine is capable of producing 75 tons per day.

This mine was reported last year as Leiter Mine, No. 178 of the printed report.

M. L. GARVEY, Supt.

Wm. CHRISTOPHER AND
JAS. LAKE, Mine Bosses.

W. H. GREEN.

No. 214. *Klondyke Mine.*—This mine is located one mile west of Mable on Roaring Creek. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation is natural, a number of the rooms being driven out to the crop makes the ventilation fairly good. The drainage is fair. The general safety fairly good. So far as I could see the powder was carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. The oil used for illuminating purposes is of a fair quality. No blanket nor stretcher kept on hand nor rules posted. With present mine development and equipment this mine is capable of producing 150 tons per day.

This mine was reported last year as Klondyke Mine, No. 179 of the printed report.

W. H. GREEN, Supt., and Mine Boss.

TUCKER COUNTY.

DAVIS COAL AND COKE COMPANY.

No. 215. *Thomas Drift or No. 23 Mine.*—This mine is located at Thomas on the W. M. R. R. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by an 18 foot fan, has always been found very satisfactory. The drainage is very good except in some of the dip workings. Oil used for illuminating purposes is of a very fair quality. The roof is a hard slate and fairly good. Shooting on the solid is still practiced to some extent. The powder is carried into the mine in cans of 5 pounds capacity so far as I could see. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand and rules posted. With present mine development and equipment this mine is capable of producing 1200 tons per day. This mine was reported last year as No. 23 Mine, No. 180 of the printed report.

D. R. JONES, W. H. CUNNINGHAM AND D. R. PHILLIPS, Supts.

ALEX. CLOSE AND Wm. McFARLAND, Mine Bosses.

No. 216. *No. 25 Mine.*—This mine is located at Thomas on the W. M. R. R. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a 10 foot fan, was fairly good when the fan was kept running. The drainage is fairly good. The roof is a very hard slate and is good. The oil used for illuminating purposes is fair quality. Shooting on the solid is generally practiced. The second opening meets all the requirements of the law. The north

portion of this mine is driven to the dip and at this time liberates considerable fire damp. On the 4th of February, 1907, there was an explosion of fire damp which caused the death of 24 men, and the Superintendent, D. R. Jones, lost his life after the explosion by venturing too far in the after damp, making in all 25 deaths resulting from the explosion. With the present mine development and equipment and full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as No. 25 Mine, No. 181 of the printed report.

D. R. JONES, W. H. CUNNINGHAM AND D. R. PHILLIPS, Supts.

Wm. RIGGLEMAN, Mine Boss.

A. STUART AND JOA GOLIA, Fire Bosses.

No. 217. *No. 26 Mine.*—This mine is located at Coketon on the W. M. R. R., and on the north branch of the Black Water. It is a drift opening operating the Upper Freeport coal on the double entry system. The ventilation, produced by a 15 foot fan, which has been installed in the last year, is good. The drainage is fair. The oil used for illuminating purposes is of a fair quality. Shooting on the solid is practiced. The second opening meets all the requirements of the law. The coal in this mine is somewhat faulty, the sand rock almost cuts the coal out in some places. The powder is carried into the mine in cans of 5 pounds capacity. With the present mine development and equipment this mine is capable of producing 150 tons per day.

This mine was reported last year as No. 26 mine, No. 182 of the printed report.

R. C. SIMPSON AND C. W. SCHARAR, Supts.

S. G. SIMPSON AND THOS. KILROY, Mine Bosses.

No. 218. *No. 34 or Thomas Shaft Mine.*—This mine is located at Thomas on the W. M. R. R. It is a shaft opening 187 deep, operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a 10 foot fan, has not always been satisfactory, owing to neglect in allowing the air shaft to become obstructed at the bottom by dirt and ashes washing in from the top and the air courses not properly driven. There were some recommendations made to the mine management in regard to this. The drainage is fair except on some of the haulways. The roof is bad where head coal is not left up. The company has adopted the rule of leaving head coal where it can be done and it forms a good roof and a great saving in operating the mine and safety to the miners. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of 5 pounds capacity. Blankets and stretchers kept on hand and rules posted. The second opening meets all the requirements of the law. With the present mine development and equipment this mine is capable of producing 700 tons per day.

This mine was reported last year as No. 34 Mine, No. 183 of the printed report.

D. R. JONES, W. H. CUNNINGHAM AND D. R. PHILLIPS, Supts.

A. E. WOOD, Mine Boss.

No. 219. *No. 35 Mine.*—This mine is located at Coketon on the W. M. R. R., and is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation is natural and poor. The drainage is not good but is somewhat improved in the last few months. The roof is a soft slate and treacherous but is fairly well timbered and looked after. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand. Rules posted. With the present mine development and equipment this mine is capable of producing 200 tons per day.

This mine was reported last year as No. 35 Mine, No. 184 of the printed report.

R. C. SIMPSON AND C. W. SCHARAR, Supts.

JAMES CHRISTOPHER, Mine Boss.

No. 220. *No. 36 Mine.*—This mine is located at Coketon on the W. M. R. R. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a 15 foot fan, has always been found fairly good and is fairly well distributed throughout the workings with some few exceptions. The drainage is only fair. The roof is good, the head coal being left up which makes a good safe roof. The oil used for illuminating purposes is of a fair quality. So far as I could see the powder is carried into the mine in cans of 5 pounds capacity. Shooting on the solid is practiced in this mine. The second opening meets all the requirements of the law. With the present mine development and equipment and a full force of men this mine is capable of producing 600 tons per day.

This mine was reported last year as No. 36 mine, No. 185 of the printed report.

R. C. SIMPSON AND C. W. SCHARAR, Supts.

W. J. CHRISTOPHER AND JAMES CHRISTOPHER, Mine Bosses.

No. 221. *No. 37 Mine.*—This mine is located at Coketon on the W. M. R. R., and on the North Branch of Black Water. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation is produced by a 10 foot fan. There has been some improvement in the ventilation. The drainage is very good except in some places. There have been great improvements in the general conditions of this mine in the last eight or ten months, and I am glad to state the improvements are still going on; driving new air courses and improving the drainage and the general safety of the mine. The roof in this mine is bad where the head coal is taken down. The oil used for illuminating purposes is of a fair quality. Shooting on the solid is still practiced to some extent. Rules are posted. Blankets and stretchers kept on hand. The second opening meets all the requirements of the law. With the present mine development and equipment and a full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as No. 37 Mine, No. 186 of the printed report.

R. C. SIMPSON AND C. W. SCHARAR, Supts.

THOS. KILROY AND GEORGE CHRISTOPHER, Mine Bosses

CUMBERLAND COAL COMPANY.

No. 222. *No. 3 Mine.*—This mine is located at Douglas on the W. M. R. R., and is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation is natural and is only fair. The drainage is fairly good. There have been great improvements in the drainage and general conditions in this mine. The roof is bad but is fairly well timbered and looked after. Shooting on the solid is practiced somewhat. The powder is carried into the mine in cans of 5 pounds capacity. The second opening meets all the requirements of the law. Blankets and stretchers kept on hand. The oil used for illuminating purposes is only of a fair quality. With the present mine development and equipment this mine is capable of producing 100 tons per day.

This mine was reported last year as No. 3 Mine, No. 188 of the printed report.

J. B. JENKINS, Supt.

A. I. JENKINS, Mine Boss.

Nos. 223 and 224. *Nos. 4 and 5 Mines.*—These mines are located at Douglas on the W. M. R. R., and are drift openings operating the Lower Kittanning coal on the double entry system. These openings are connected and ventilated by a 20 foot fan, and the ventilation is very good. The drainage is very good. There has been a very great improvement in the ventilation, drainage and general condition of these mines in the past year. The roof is very good. Shooting on the solid is still practiced in these mines. The oil used for illuminating purposes is sold the employes by the operating company and is only of a fair quality. The powder is carried into the mine in cans of 5 pounds capacity. Blankets and stretchers kept on hand. With the present mine development and equipment these mines are capable of producing 500 tons per day.

These mines were reported last year as Nos. 4 and 5 Mines, Nos. 189 and 190 of the printed report.

J. B. JENKINS, Supt.

A. I. JENKINS, Mine Boss.

No. 225. *No. 1 Mine.*—This mine is just being developed.

J. B. JENKINS, Supt.

A. I. JENKINS, Mine Boss.

BEACON COAL AND COKE COMPANY.

No. 226. *Beacon Mine.*—This mine is located about 6 miles east of Davis on the Davis Branch of the W. M. R. R., and on Beavers Creek. It is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation, produced by a 10 foot fan, has always been found good. The drainage is good. The roof is soft slate and is rather bad, but is very well timbered and looked after. The oil used for illuminating purposes is of a fair quality. The powder is carried into the mine in cans of 5

pounds capacity. Shooting on the solid is still practiced to some extent. The second opening meets all the requirements of the law. Blankets and stretchers on hand. Rules not posted. With the present mine development and equipment this mine is capable of producing 400 tons per day.

This mine was reported last year as Beacon No. 1 Mine, No. 191 of the printed report.

W. C. PATTERSON, Supt.

FRANK BELL AND,
ALEXANDER CLOSE, Mine Bosses

FOURTH DISTRICT

GENERAL SUMMARY OF THE FOURTH DISTRICT, FOR THE YEAR
ENDING JUNE 30, 1907.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYES.								Production of		
			Inside.					Outside.			Sum Total.	Coal (tons of 2,240 lbs)	Ooke (tons of 2,000 lbs)
			Pick Miners.	Machine Miners.	Machine Runners and Helpers.	Laborers.	Total.	Laborers.	Coke Workers.	Total.			
Braxton....	5	..	51	.....	.....	15	66	10	....	10	76	55,774	.....
Clay.....	4	..	58	20	6	21	105	25	....	25	130	60,252	.....
Fayette (in part)....	42	5	1,109	900	146	883	3,038	415	234	649	3,687	2,353,709	210,786
Kanawha (in part)..	43	3	878	839	165	560	1,942	249	20	269	2,211	1,234,161	18,287
Mason ...	7	1	148	40	12	25	225	31	....	31	256	93,211	.....
Nicholas....	8	1	65	51	14	28	158	35	....	35	193	57,412	.....
Putnam	10	1	525	....	2	284	811	189	....	189	1,000	401,413	.....
Totals.....	119	11	2,334	1,850	345	1,816	6,345	954	254	1,208	7,553	4,255,962	229,073

OFFICE OF THE FOURTH DISTRICT MINE INSPECTOR.
Clifton, W. Va., Nov. 19, 1907.

HON. JAMES W. PAUL,
Chief of the Department of Mines,
Charleston, W. Va.

Sir:—I herewith respectfully submit to you for your consideration my annual report as Inspector of the mines in the Fourth District of West Virginia, for the year ending June 30, 1907.

During the year I made a hundred and eighty-five inspections and fifty-four special visits, submitting one hundred and thirty-six written reports.

I am glad to report that the companies in this district are giving more careful attention to the general safety of the mines in their care by showing a willingness to comply with any recommendations that tend to eliminate serious or fatal accidents.

As to the ventilation of the mines, many of them could be greatly improved if the mine bosses gave their attention to the proper distribution of the air. Under the Mine Law the mine boss is required to keep a careful watch over the ventilating apparatus and the airways and to see that proper break-throughs are made to properly ventilate the mine. In many instances the provisions of this law have not been complied with. Carelessness is frequently the cause of failure on the part of the mine boss to fulfill the requirements of the law, but little or no attention being given to a proper distribution of the air. It is difficult to figure out the reason why a mine boss should be so negligent of his duty when no one who is at all conversant with mining will attempt to dispute the statement

that good ventilation is very essential to the successful operation of any mine.

The principal improvements during the year have been the construction of four electric plants and the installing of ten new fans.

At the close of the year I am pleased to report that my official business with employers and employes, in most instances, have been pleasant and agreeable.

I sincerely appreciate the very able advice and courteous treatment that I have received from you during the past year.

Very respectfully yours,

EARL A. HENRY,

Mine Inspector Fourth District.

**MINES NOT IN OPERATION DURING THE YEAR AND THEREFORE
NOT INSPECTED OR REPORTED.**

MASON COUNTY.

New Castle Mine; Harris Mine.

CLAY COUNTY.

Ohio Mine. 193 of Printed report.

FAYETTE COUNTY.

Victoria Mine, north: Central Mine.

KANAWHA COUNTY.

Burning Springs Mine; Black Hawk Mine; Clendenin Mine; Black Diamond Mine; Witcher Mine; Sunday Creek No. 103; Sunday Creek No. 104 Cedar Grove Seam; Sunday Creek 110; Pond Fork Mine No. 4

CONDITION OF THE MINES IN THE FOURTH DISTRICT.

GILMER COUNTY.

THE COSMOPOLITAN COAL AND COKE COMPANY.

P. O., EMART, W. VA.

No. 80. *Gilmer Mine No. 1.*—This is a drift mine located on a line of the Coal & Coke Railroad seventeen miles north of Gassaway. It operates the Pittsburg seam which has a thickness of from six to eight feet. The roof is slate of a dangerous character and requires careful attention to insure safety. The miners are well supplied with timber and the mine is properly timbered. Developments are on the double entry system ventilated by a furnace which furnishes sufficient air for the number of persons employed. Owing to the numerous clay veins in this seam of coal, the cross cuts are driven somewhat irregularly. Mine doors and stoppings in good condition; drainage fair. The second opening meets with the requirements, but no rules are posted; no safety lamp or stretchers at hand.

This a new mine the first shipment of coal being made June 10, 1907. Not listed in the last printed report.

NICHOLAS COLE, Supt.

JOS. CHADWICK, Mine Boss.

BRAXTON COUNTY.

DAVIS COLLIERY COMPANY.

P. O., BOWER, W. VA.

No. 227. *Mine No. 10.*—This mine is located on a line of the Coal & Coke Railroad, sixteen miles north of Gassaway and operates the Pittsburg seam of coal which varies in thickness from four to seven feet. The roof is slate of a very dangerous character and requires careful attention to insure safety. The miners are well supplied with timber and the mines are properly timbered. Drainage fair. There are four distinct openings to this mine developed on the double entry system, each opening being ventilated by a temporary furnace with good results. In the near future these openings will have inside connection at which time a large fan will be installed. Owing to the numerous clay veins in this seam of coal, the cross cuts are somewhat irregularly driven. The management has made arrangements to make this a large development, having constructed a number of tenement houses and a large and complete steel tipple costing about forty thousand dollars.

This mine was not listed in the last printed report.

R. D. EDWARDS, Supt.

DAVID EVANS, Mine Boss.

No. 228. *Mine No. 11.*—This is a drift mine located on the main line of the Coal & Coke Railroad, fifteen miles north of Gassaway, operating the Pittsburg seam of coal which varies in thickness from five and a half to seven feet. The roof is slate of a dangerous nature and has to be given careful attention and securely propped to insure safety. The miners are well supplied with timber and the mine is properly timbered. Developments are on the double entry system, ventilation being produced by a furnace which does not furnish sufficient air to meet with the requirements of law. Cross cuts are irregularly driven owing to the numerous clay veins in this seam of coal. The superintendent's attention was called to the deficiency in ventilation with the request that a better system be installed. As yet no arrangements have been made for a permanent system of drainage. The second opening is in good condition. No rules are posted at the mine; no safety lamp or stretchers kept on hand.

This mine was not listed in the last printed report.

R. D. EDWARDS, Supt.

WILLIAM MARTIN, Mine Boss.

CLAY COUNTY.

DORFEE COAL MINING COMPANY.

P. O., DORFEE, W. VA.

No. 229. *Elk Manor Mine.*—This is a drift mine located at Dorfee on the main line of the Coal & Coke Railroad, forty-two miles north of

Charleston. Operations are in the Winifrede seam which has a thickness of four and a half feet. The roof is slate and generally good and the mine properly timbered. The mine is developed on the double entry system and ventilation is produced by an eight-foot Thayer fan. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Ventilation generally good; drainage fair. Haulways are in fair condition. The oil used for illuminating purposes is of a fair quality. The second opening meets with the requirements. Rules are posted, safety lamp and stretchers kept at hand as required by law.

This mine was reported last year as Elk Manor Mine, No. 192 of the printed report.

HENRY BROOKE, Supt

T. L. PUGH, Mine Boss.

CARTER COAL COMPANY.

P. O., SCOTFORD, W. VA.

No. 230. *Carter Mine*.—This is a drift mine located on the Open Fork of Bell Creek on a branch of the C. & O. Railway, eleven miles north of Gauley Bridge, operating the Coalburg seam which has a thickness of four feet. The roof is slate and good and the mine properly timbered. Drainage fair. The developments are on the double and single entry system, ventilated by a temporary furnace which does not furnish sufficient air to meet with the requirements of the law. Powder and oil laws are well observed. The second opening is in good condition. No rules are posted; no safety lamp or stretchers on hand.

This mine was reported last year as Carter Mine, No. 194 of the printed report.

WILLIAM TAMPLIN, Supt.

W. R. COTTLE AND

T. B. CRAZE, Mine Bosses.

KENTUCKY COAL AND LUMBER COMPANY.

P. O., SCOTFORD, W. VA.

No. 231. *Scott Mine*.—This mine is located on the Open Fork of Bell Creek on a branch of the C. & O. Railway, twelve miles from Gauley Bridge. It is a drift opening operating the Coalburg seam which varies in thickness from three to four and a half feet. The roof is slate and generally good and the mines properly timbered. Developments are on the double entry system, ventilated by a temporary furnace which does not furnish sufficient air for the proper ventilation of the mine. Cross cuts are neglected to some extent. Mine doors and stoppings poorly constructed. Drainage fair. Powder and oil laws are well observed. The second opening is in good condition; no rules posted; no safety lamp or stretchers on hand.

This mine was formerly operated by the Gauley Consolidated Coal Company but during the year passed to the management of the Kentucky Coal and Lumber Company.

Was reported last year as Scott Mine, No. 195 of the printed report.

L. D. BURNS, Supt.

C. B. DEAN, Mine Boss.

ELK RIVER COAL AND LUMBER COMPANY.

P. O., CLAY, W. VA.

No. 232. *Dundon No. 1 Mine.*—This is a drift mine located near Clay on the main line of the Coal and Coke Railroad. It is a drift mine and the coal has a thickness of six feet with a nine inch parting of bone coal and slate. The roof is sand stone and slate and is very good, and the mine is properly timbered. Developments are on the double entry system and ventilation is produced by natural causes which give very poor results. A letter was addressed to the management calling attention to this poor system of ventilation and demanding that a better system of ventilation be installed without delay. The second opening meets with the requirements, but no rules are posted nor safety lamp or stretchers kept at hand as required by law.

This is a new mine and was not listed in the last printed report.

J. G. BRADLEY, Supt.

DAVID STODDARD, Mine Boss.

FAYETTE COUNTY.**SUNDAY CREEK COMPANY.**

P. O., CARBONDALE, W. VA.

No. 233. *Sunday Creek Mine No. 111.*—This is a drift mine located on Smithers Creek one half mile east of Cannelton on a branch line of the K. & M. Railroad. The No. 2 Gas Seam is operated and has a thickness of five feet. The roof is slate and very good and the mine properly timbered. The mine is developed on the double entry system and the ventilation is produced by a six-foot Thayer fan that furnishes sufficient air that is properly distributed throughout the mine. Cross cuts between entries and rooms are regularly driven. Mine doors and stoppings in good condition. Haulways are clear of obstructions, with ample room for workmen to pass the cars. The mine is practically dry and some sections have to be regularly watered to allay the dust. The powder and oil laws are strictly enforced. The second opening meets with the requirements of law. Safety lamp and stretchers on hand and rules posted as required by law.

This mine was reported last year as No. 111, No. 196 of the printed report.

T. E. ROAN, Supt.

JOHN WELCH, Mine Boss.

No. 234. *Sunday Creek Mine No. 112.*—This is a drift mine located one mile east of Cannelton on a branch line of the K. & M. Railroad. It operates the No. 2 Gas Seam which has a thickness of five feet. The roof is slate and generally good; the mine properly timbered. The mine is developed on the double entry system and ventilated by an eight-foot Thayer fan with fair results. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The mine is practically dry and in some sections has to be regularly watered to allay the dust. Haulways are in good condition with ample room for workmen to pass the cars. The second opening meets with the requirements of the law. Safety lamp and stretchers are kept on hand and rules posted as required by law.

This mine was reported last year as No. 112, No. 197 of the printed report. .

T. E. ROAN, Supt.

M. B. WELCH, Mine Boss.

P. O., LONGACRE, W. VA.

No. 235. *Sunday Creek Mine No. 114*.—This mine is located at Longacre on the K. & M. Railroad. It is a drift opening operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system and ventilation is produced by a seven-foot Stine fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in fair condition. Haulways are clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry and in some sections there is a slight accumulation of dust which is kept thoroughly watered. Powder and oil law is strictly enforced. Second opening meets the requirements of law. Safety lamp and stretchers on hand and rules posted at the mine.

This mine was reported last year as No. 114, No. 198 of the printed report.

T. E. ROAN, Supt.

ROBERT TAYLOR, Mine Boss.

No. 236. *Mine No. 114 X*.—This is a new opening operated in connection with Mine 114. It is a drift opening into the No. 2 Gas Seam which has a thickness of five and a half feet with a slate roof which is generally good and the mine properly timbered. Developments are on the double entry system, ventilated by a seven-foot Thayer fan which furnishes sufficient air which is properly distributed throughout the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Haulways are kept clean, with sufficient room for workmen to pass the cars. The second opening meets the requirements. The powder and oil law is strictly enforced.

Not listed in the last printed report.

T. E. ROAN, Supt.

JOHN DUFOR, Mine Boss.

P. O., HAREWOOD, W. VA.

No. 237. *Sunday Creek Mine No. 115*.—This mine is located at Harewood on the main line of the K. & M. Railroad. It is a drift opening operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system, ventilated by a seven-foot Stine fan which furnishes sufficient air that is properly distributed throughout the mine. Cross cuts between entries and rooms are driven at the proper distances. Mine doors and stoppings in fair condition. Haulways are kept free of obstructions with sufficient room for workmen to pass the car. The mine is practically dry and some sections must be regularly watered to allay the dust. The powder and oil laws are strictly enforced.

Second opening in good condition. Safety lamps and stretchers on hand and rules posted as required by law.

This mine was reported last year as No. 115, No. 199 of the printed report.

T. E. ROAN, Supt.

WILLIAM NICHOLSON and
J. K. NELSON, Mine Bosses.

No. 238. *Sunday Creek Mine No. 117.*—This mine was abandoned during the forepart of the year. It was reported last year as No. 117, No. 200 of the printed report.

T. E. ROAN, Supt.

F. J. PATRICK, Mine Boss.

THE COLUMBUS IRON AND STEEL COMPANY.

P. O., MARTING, W. VA.

No. 239. *Columbus Mine No. 1.*—This mine is located four miles east of Cannelton on a branch line of the K. & M. Railroad. It is a drift opening operating the No. 2 Gas Seam which varies in thickness from 2½ to 4 feet. The roof is slate and generally good. The mine is well timbered. Developments are on the double entry system, ventilated by an eight-foot Thayer fan with good results. Cross cuts between entries and rooms are regularly driven. Mine doors in fair condition. On the main air-course the stoppings are constructed of stone laid in mortar which is a great improvement over the old style plank stoppings. A part of the mine is very dry but is kept thoroughly watered so there is no danger from accumulation of dust. The powder and oil laws are strictly enforced. The second opening is in good condition. Safety lamp and stretchers are kept at hand and rules are posted as required by law.

This mine was reported last year as No. 1, No. 201 of the printed report.

JOHN PHILLIPS, Supt.

FENTON CLENDENIN, Mine Boss.

KANAWHA GAS COAL COMPANY.

P. O., SMITHERS, W. VA.

No. 240. *Kanawha Gas Mine.*—This mine is located at Smithers on the K. & M. Railroad; it is a drift opening operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and very good and the mine properly timbered. The developments are on the double entry system, ventilated by a ten-foot Crawford and McCrimmon fan which furnishes air for the proper ventilation of the mine. Cross cuts between entries and rooms are regularly driven. Mine doors and stoppings in fair condition. Haulways are kept clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry and dusty sections are regularly watered. The powder and oil laws are strictly enforced. The second opening is in good condition. Safety lamp and stretchers on hand and rules posted at the mine.

It was reported last year as Kanawha Gas Mine, No. 202 of the printed report.

T. A. BARTLAM, Supt.

JOHN TITLOW, Mine Boss.

W. R. JOHNSON AND COMPANY.

P. O., SMITHERS, W. VA.

No. 241. *Oakland Mine*.—This is a drift mine located at Smithers on the main line of the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system and ventilation is produced by a ten-foot Crawford and McCrimmon fan that furnishes sufficient air which is properly distributed throughout the mine. Cross cuts between entries and rooms are driven at the proper distances. Mine doors and stoppings in good condition. Haulways are kept clear of obstructions with sufficient room for workmen to pass the cars. The mine is practically dry. Dusty sections are regularly watered. Powder and oil laws are strictly enforced. The second opening is in good condition. Safety lamp and stretchers on hand and rules posted as required by law.

It was reported last year as Oakland Mine, No. 203 of the printed report.

T. A. BARTLAM, Supt.

BEN HILL, Mine Boss

BOOMER COAL AND COKE COMPANY.

P. O., BOOMER, W. VA.

No. 242. *Boomer Mine No. 1*.—This is a drift mine located at Boomer on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and half feet. The roof is slate and very good and the mine well timbered. Developments are on the double entry system. Ventilation is produced by a twelve-foot Crawford and McCrimmon fan which furnishes 70,000 cu. ft. of air per minute which is properly distributed throughout the mine. Cross cuts are regularly driven. Mine doors and stoppings in fair condition. The haulways are kept clean, with ample room for workmen to pass the cars. The mine is very dry but has recently been equipped with a pipe line and hose for the purpose of watering and keeping the roadways and all dusty parts thoroughly wet. The powder law is strictly enforced at this mine. The second opening meets with the requirements of the law. Rules are posted; safety lamp and stretchers kept at hand.

It was reported last year as Boomer No. 1 Mine, No. 204 of the printed report.

W. M. GILLIE, Supt.

HENRY DEEM AND

WALTER CULBERTSON, Mine Bosses.

No. 243. *Boomer Mine No. 2 North*.—This is a drift mine, located near Boomer on a branch line to the K. & M. Railroad, operating the No. 1 Eagle Seam, which has a thickness of five and a half feet. The roof is slate and good with the exception of a draw slate which varies in thickness from five to eight inches and must be taken down to insure safety. The mine is developed on the double entry system and ventilated by a ten-foot Stine fan which does not furnish sufficient air for the

proper ventilation of the mine this being principally due to the fan being improperly installed. Cross cuts are regularly driven; mine doors are in good condition. Drainage fair. The powder and oil law strictly enforced. The second opening is in good condition. Safety lamp and stretchers on hand and rules posted as required by law.

It was reported last year as Boomer No. 2 North Mine, No. 205 of the printed report.

W. M. GILLIE, Supt.

SAMUEL MITCHELL AND
HENRY DEEM, Mine Bosses.

No. 244. *Boomer Mine No. 2 South.*—This is a drift mine, located near Boomer on a branch of the K. & M. Railroad, operating the No. 1 Eagle Seam, which has a thickness of five and a half feet with a slate roof having a draw slate which varies in thickness from four to eight inches and has to be taken down as it is of a dangerous character. The main roof is very good and requires but little timbering. The mine is developed on the double entry system and ventilated by a ten-foot Stine fan which does not furnish sufficient air for the proper ventilation of the mine, this being largely due to the fan being improperly installed. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage fair. The powder and oil law is strictly enforced. The second opening meets with the requirements of law. Safety lamp and stretchers kept at hand; rules posted.

This mine was reported last year as Boomer No. 2 South Mine, No. 206 of the printed report.

W. M. GILLIE, Supt.

SAMUEL MITCHELL AND
HENRY DEEM, Mine Bosses.

No. 245. *Boomer Mine No. 3.*—This is a drift mine located near Boomer on a branch line to the K. & M. Railroad, operating the No. 2 Gas Seam which has a thickness of five and a half feet. The roof is slate and very good and requires but little timbering to insure safety. The developments are on the double entry system. Ventilation is produced by an eight-foot Stine fan that furnishes sufficient air which is properly distributed throughout the mine. Cross cuts between entries and rooms are regularly driven. Mine doors and stoppings in good condition. The haulways are kept clear from obstructions with ample room for workmen to pass the cars. The powder and oil laws are strictly enforced. Second opening in good condition. Safety lamp and stretchers kept on hand and rules posted as required by law.

This mine was reported last year as Boomer No. 3 Mine, No. 207 of the printed report.

W. M. GILLIE, Supt.

JOHN ELSWICK, Mine Boss.

GAULEY MOUNTAIN COAL COMPANY.

P. O., ANSTED, W. VA.

No. 246. *Nova Scotia or Gauley Mountain Mine.*—This is a drift mine located at Ansted on a branch line of the C. & O. Railway, operating the No. 2 Gas Seam of coal which varies in thickness from four to six feet.

The roof is slate and is very good in the rooms but bad on the entries. There are a large number of double entries from a tramroad laid along the crop of the coal. There is one fan in operation but the principal part of the developments are ventilated by temporary furnaces which do not furnish sufficient air for the proper ventilation of the headings. The superintendent's attention was called to the deficiency in the ventilation with the recommendation that the headings be connected and two additional fans installed that the system of ventilation may be placed in condition to comply with the law. Cross cuts between rooms are badly neglected; mine doors and stoppings in fair condition; drainage fair. The law regarding powder and oil is fairly observed. The second opening meets with the requirements. Rules are posted; safety lamp and stretchers kept at hand.

This mine was reported last year as Gauley Mountain Mine, No. 208 of the printed report.

R. C. TAYLOR, Supt.

JAMES A. MARTIN, Mine Boss.

CROFT AND EVANS. .

P. O., ANSTED, W. VA.

No. 247. *Pine Top Mine.*—This is a drift mine located near Ansted on a branch of the C. & O. Railway, operating the No. 2 Gas Seam of coal which varies in thickness from four to five and a half feet. The roof is slate and generally good. Drainage fair. Ventilation is by natural causes and gives poor results. This is an old mine and the work is principally drawing pillars. The product of the mine is loaded over the tiple of the Gauley Mountain Mine. But few men are employed in this mine and it will soon be finished.

This mine was not listed last year.

W. H. EVANS AND

ARTHUR HUDSON, Mine Boss.

A. T. MASSEY, Supts.

MOSELEY AND WALKER.

P. O., CLIFF TOP, W. VA.

Nos. 248, 249 and 250. *Cliff Top Mines Nos. 1, 2 and 3.*—These are drift mines located at Cliff Top on a narrow gauge road, nine miles from Sewell Station. Mines Nos. 1 and 3 were formerly operated by the Longdale Iron Company, and, after lying idle for three years, resumed operation September 1, 1906, under the management of Moseley and Walker who also opened a new mine—No. 2. The Sewell Seam is operated at the mines with a thickness varying from two and a half to three and a half feet.

Mine No. 1.—This is an old mine all of the solid work having been finished and only a small number of persons is employed drawing entry pillars. Ventilation is by natural means and is sufficient for the number of persons employed. The roof is slate and generally good. The miners are well supplied with timber and the working places properly timbered. The powder and oil law was violated to some extent. The second opening

meets with the requirements. No rules are posted; no safety lamp or stretchers kept at hand.

Mine No. 2.—This is a new mine operated on the double entry system. Ventilation is produced by an eight-foot Thayer fan which gives good results. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in good condition. As yet developments are small and no permanent system of drainage has been installed.

Mine No. 3.—This mine is operated on the double and single entry system. Ventilation is produced by a temporary furnace which furnishes sufficient air for the number of persons employed. The roof is slate and good; drainage good. Mine doors and stoppings in fair condition. Second opening meets with the requirements. No rules posted; no safety lamp or stretchers kept on hand.

H. A. MOSELEY, Supt.

W. L. HERNDON, Mine Boss.

GAYMONT COLLIERY COMPANY.

P. O., ELMO, W. VA.

No. 251. *Gaymont Mine.*—This mine is located on the main line of the C. & O. Railway, one mile east of Hawks Nest. It is a drift opening operating the Sewell Seam which has a thickness of three feet with a slate roof which is very good. The developments are on the double and single entry system ventilated by a twelve foot fan, which furnishes sufficient air for the ventilation of the mine when properly distributed, but the air was found to be deficient in some sections this being due to defective mine doors and stoppings. A slight quantity of explosive gas was found at the face of No. 1 Pollick heading in the No. 2 opening at which point the ventilation was very weak with no special arrangement for removing the gas. The mine boss frankly acknowledged that he was inexperienced in handling a safety lamp or explosive gases. A letter was addressed to the management asking that a competent mine boss be placed in charge of this mine. A reply from the management stated that the recommendation had been complied with. The powder and oil law is well observed. The second opening meets with the requirements. Safety lamp and stretchers on hand but no rules posted.

This mine was reported last year as Gaymont Mine, No. 209 of the printed report.

C. W. ROGERS AND
J. H. DEMPSEY, Supts.

EDWARD SIMS AND
THOS. TOLER, Mine Bosses.

BEURY-NEW RIVER COAL COMPANY.

P. O., ELMO, W. VA.

No. 252. *Elmo Mine.*—This is a drift mine located at Elmo on the main line of the C. & O. Railway, two miles west of Fayette Station, operating the Sewell Seam of coal which has a thickness of three feet. The roof is slate and generally good and the mine properly timbered. Drainage poor. The mine is developed on the double entry system and ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air.

when properly distributed. Ventilation was found to be fairly good on the entries but deficient in the rooms. Cross cuts between rooms are neglected to some extent. The powder and oil law is fairly observed. The second opening was not in an available condition. The management was notified not to allow more than twenty persons to work in this mine at any one time until the second opening was placed in condition to meet the requirements of law. No rules were posted at the mine.

This mine was reported last year as Elmo Mine, No. 210 of the printed report.

C. W. ROGERS AND
J. H. DEMPSEY, Supts.

FRANK KERNS AND
B. F. DORSEY, Mine Bosses.

SUNBEURY COAL AND COKE COMPANY.

P. O., ELMO, W. VA.

No. 253. *Sunnyside Mine.*—This is a drift mine located at Sunnyside on the main line of the C. & O. Railway, three miles west of Fayette Station, operating the Sewell Seam of coal which has a thickness of three feet. The roof is slate and very good and the mine properly timbered. Some sections of the mine are very wet; system of drainage poor. The developments are on the double entry system. Ventilation is produced by a seven-foot fan which furnishes sufficient air for the present development. Cross cuts between entries regularly driven but neglected to some extent in the rooms. Second opening in fair condition only. Safety lamp and stretchers on hand but no rules posted at the mine. This mine was idle from May 7, 1906, to April 22, 1907. During this time a new tippie was constructed; incline relaid with heavy steel rails equipped with seven-ton monitors. A new bin was constructed at the head of the incline, with a capacity of four hundred and fifty tons.

This mine was reported last year as Sunnyside Mine, No. 211 of the printed report.

C. W. ROGERS AND
J. H. DEMPSEY, Supts.

C. E. MORRIS AND
R. J. MORTON, Mine Bosses.

BIG BEND COAL COMPANY.

P. O., DIMMOCK, W. VA.

No. 254. *Big Bend or Dimmock Mine.*—This is a drift mine located on the C. & O. Railway one mile west of Thurmond on the north side of New River, operating the Fire Creek Seam which varies in thickness from three to four and one half feet. The roof is slate and good. The mine is developed principally on the single entry system and depends on natural causes for ventilation with very poor results. Drainage poor. This is a very old mine and operated on a cheap scale, especially in regard to ventilation. Owing to the improper development of this mine it would be very expensive to install a perfect system of ventilation. The second opening is in good condition. No rules are posted; no safety lamp or stretchers on hand as required by law.

This mine was reported last year as Big Bend Mine, No. 212 of the printed report.

JOHN H. DEMPSEY, Supt.

O. C. WISEMAN, Mine Boss.

MICHIGAN COAL COMPANY.

P. O., FAYETTE, W. VA.

No. 255. *Michigan Mine*.—This is a drift mine located on the C. & O. Railway one and a half miles west of Fayette Station and operates the Sewell Seam of coal which has a thickness of three feet. The roof is slate and very good and the mine properly timbered. The mine is developed on the double entry system and ventilated by a furnace which fails to furnish sufficient air for the proper ventilation of the mine. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings not properly constructed. Drainage good. The law relative to powder and oil is fully observed. Second opening in good condition. The superintendent's attention was called to the deficiency in the ventilation and he was instructed to install a system of ventilation that would meet with the requirements of the law. Deficiencies are: no rules posted; no safety lamp on hand as required by law.

This mine was reported last year as Michigan Mine, No. 213 of the printed report.

J. D. BOONE, Supt.

E. E. SIMS, Mine Boss.

THE FAYETTE COAL AND COKE COMPANY.

P. O., FAYETTE, W. VA.

No. 256. *Fayette Mine*.—This is a drift mine located on the main line of the C. & O. Railway, at Fayette Station. The Sewell Seam coal is operated and varies in thickness from three to three and a half feet. The roof is slate and very good, and the mine properly timbered. The developments are on the double entry system. Ventilation is produced by a large furnace with very poor results this being due to a section of the return airway being practically closed by reason of a squeeze. A new heading was being driven for a return airway and when completed this will give a good system of ventilation. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Haulways were wet and muddy with a very poor system of drainage. The oil and powder law is complied with. The second opening is in good condition. Safety lamp and stretchers on hand but no rules posted.

This mine was reported last year as Fayette Mine, No. 214 of the printed report.

E. G. BLUME, Supt.

L. D. RHODES, Mine Boss.

MANUFACTURERS AND CONSUMERS COAL COMPANY.

P. O., FAYETTE, W. VA.

No. 257. *Newlyn Mine*.—This is a drift mine located on the main line of the C. & O. Railway one mile west of Fayette Station, operating the

Sewell Seam of coal which varies in thickness from three to three and a half feet. The roof is slate and very good, and the mine properly timbered. The developments are on the double entry system. Ventilation is produced by an eight-foot Thayer fan which gives satisfactory results. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The mine is generally damp; drainage only fair. The powder and oil law is well observed. The second opening is in good condition; rules posted; and safety lamp and stretchers on hand as required by law.

This mine was reported last year as Newlyn Mine, No. 215 of the printed report.

P. H. HENRY, Supt.

JAMES W. SIMS, Mine Boss.

NUTTALLBURG COAL AND COKE COMPANY.

P. O., NUTTALLBURG, W. VA.

No. 258. *Nuttallburg Mine*.—This is a drift mine located at Nuttallburg on the main line of the C. & O. Railway, two miles east of Fayette Station, operating the Sewell Seam of coal which varies in thickness from three and a half to four and a half ft. The roof is slate and very good and the mine properly timbered. The mine is practically dry; Drainage good. Developments are on the double entry system. Ventilation is produced by an eighteen-foot Crawford and McCrimmon fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in fair condition. The oil and powder law is well observed. The second opening is in good condition. Safety lamp and stretchers on hand, but no rules posted.

This mine was reported last year as Nuttallburg Mine, No. 216 of the printed report.

L. C. BIERNE, Supt.

J. G. EDWARDS, Mine Boss.

No. 259. *Keeneys Creek Mine*.—This mine is located on the main line of the C. & O. Railway ten miles west of Thurmond. It is a drift opening operating the Sewell Seam, which varies in thickness from three to three and a half feet with a slate roof which is generally good; the mine is well timbered. Ventilation in part is natural assisted by a fan at the Nuttallburg Mine. This is a very old mine and but few persons are employed. The principal part of the work is drawing pillars. The powder and oil law is well observed. Second opening in good condition; safety lamp and stretchers kept on hand but no rules posted.

This mine was reported last year as Keeneys Creek Mine, No. 217 of the printed report.

L. C. BIERNE, Supt.

C. W. JONES, Mine Boss.

BALLINGER COAL COMPANY.

P. O., NUTTALLBURG, W. VA.

No. 260. *Ballinger Mine No. 1*.—This is a drift mine located on Keeneys Creek on a branch of the C. & O. Railway, operating the Sewell Seam

of coal which varies in thickness from three to four feet with a slate roof which is fairly good and the mine properly timbered. The mine is developed on the double entry system. Ventilation is produced by means of a fan that has recently been installed and gives satisfactory results. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Some sections of the mine are very wet; drainage poor. The oil and powder law is well observed. The second opening is in good condition. Safety lamp and stretchers on hand but no rules posted.

This mine was reported last year as Ballinger No. 1 Mine, No. 219 of the printed report.

GEORGE HOLLAND, Supt.

JOHN OHLINGER, Mine Boss.

No. 261. *Ballinger No. 2.*—This mine was only in operation part of the time during the past year and then only employed four men inside.

Reported last year as Ballinger No. 2 Mine, No. 220 of the printed report.

GEORGE HOLLAND, Supt.

FRED OHLINGER, Mine Boss.

BLUME COAL AND COKE COMPANY.

P. O., LOOKOUT, W. VA.

No. 262. *Blume Mine.*—This is a drift mine located on Keeneys Creek on a branch of the C. & O. Railway, operating the Sewell Seam which has a thickness of three and a half feet. The roof is slate and sand stone and generally good throughout and the mine properly timbered. The developments are on the single and double entry system, ventilated by a ten-foot Thayer fan, but the air is not properly distributed in the working places this being due to improperly constructed mine doors and stoppings. Cross cuts are regularly driven. Drainage good. Haulways in good condition. Powder and oil law is well observed. The second opening meets with the requirements of law. The company has built a powder house at the mine where the miners can store their powder. Rules are posted; safety lamp and stretchers kept at hand as required by law.

This mine was reported last year as Blume Mine, No. 221 of the printed report.

D. W. BOONE, Supt.

THOMAS STEAD, Mine Boss.

LOOKOUT COAL AND COKE COMPANY.

P. O., LOOKOUT, W. VA.

No. 263. *Lookout Mine.*—This mine is located on Keeneys Creek on a branch of the C. & O. Railway. It is a drift mine operating the Sewell Seam, which has a thickness of three feet with a sand stone roof which is very good. The mine is developed on the double entry system. Ventilation is produced by a temporary furnace and sufficient air is furnished for the present development. This is a new mine and as yet no perman-

ent system of ventilation or drainage has been installed. The second opening meets with the requirements of law.

This mine was not reported last year.

D. W. BOONE, Supt.

THOMAS STEAD, Mine Boss.

KEENEYS CREEK COLLIERY COMPANY.

P. O., WINONA, W. VA.

No. 264. *Smokeless Mine*.—This is a drift mine, located on Keeneys Creek on a branch of the C. & O. Railway, operating the Sewell Seam which has a thickness of four feet. The roof is slate and good and the mine well timbered. Developments are on the double entry system and ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Some sections of the mine are wet; system of drainage poor. Powder and oil law is complied with. Second opening meets with the requirements of law. Safety lamp and stretchers are kept at hand, but no rules are posted at the mine.

This mine was reported last year as Smokeless Mine, No. 222 of the printed report.

LEE LONG, Supt.

W. A. OTEY, Mine Boss.

P. O., BOONE, W. VA.

No. 265. *Boone Mine*.—This is a drift located on Keeneys Creek on a branch of the C. & O. Railway, operating the Sewell Seam which varies in thickness from three to four feet. The roof is slate and generally good and the mine properly timbered. The mine is developed on the double entry system and ventilated by natural causes which give very poor results as the air was found to be very deficient on the main heading. The superintendent's attention was called to the deficiency in ventilation and he was instructed to install a fan, and employ a competent mine boss, who would understand the necessity of having the mine doors and stoppings properly constructed. The second opening in good condition. This mine was formerly operated by the Boone Coal & Coke Company but on April 1, 1907, the management passed into the hands of the Keeneys Creek Colliery Company.

This mine was reported last year as Boone Mine, No. 218 of the printed report.

W. F. BOONE AND
LEE LONG, Supts.

P. A. OHLINGER, Mine Boss.

ROTHWELL COAL COMPANY.

P. O., DUBREE, W. VA.

No. 266. *Dubree Mine*.—This mine is located at Keeneys Creek on a branch of the C. & O. Railway. It is a drift opening operating the Sewell Seam which varies in thickness from three to four and a half feet with

a slate and sand stone roof which is very good and the mine well timbered. Haulways in fair condition. Drainage fair. The mine is developed on the double entry system and ventilated by a Crawford and McCrimmon fan, which furnishes sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The powder and oil law is well observed. The second opening is a shaft sixty feet in depth equipped with a temporary ladder. Rules are posted at the mine; safety lamp and stretchers at hand as required by law.

This mine was reported last year as Dubree Mine, No. 223 of the printed report.

H. H. ROTHWELL, Supt.

CHARLES HIGGINS AND
JOHN CAREY, Mine Bosses.

PENNSYLVANIA AND NEW RIVER COAL COMPANY.

P. O., PENNBROOKE, W. VA.

No. 267. *Kohinoor Mine.*—This is a drift mine located five miles west of Thurmond on the C. & O. Railway, operating the Fire Creek Seam of coal which varies in thickness from three to four feet. Developments are on the double entry system. Ventilation is produced by a sixteen-foot Follock fan which at slow speed furnishes 35,885 cu. ft. of air per minute, which is fairly well distributed to the working places. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage fair. Powder and oil law is well observed. Second opening in good condition. No rules posted; no safety lamp or stretchers on hand as required by law.

This mine was reported last year as Kohinoor Mine, No. 224 of the printed report.

MIKE BLYTHE, Supt.

ANDREW EASTON, Mine Boss.

FIRE CREEK COAL AND COKE COMPANY.

P. O., FIRE CREEK, W. VA.

No. 268. *Fire Creek Mine.*—This mine is located at Fire Creek on the main line of the C. & O. Railroad. It is a drift opening operating the Fire Creek seam of coal which varies in thickness from 3 1-2 to 4 feet. The roof is slate and generally good and the mine well timbered. The development is principally on the single entry system. Ventilation is by natural causes and fails to meet the requirements of law. Mine doors and stoppings in fair condition. Owing to the irregularity of the seam it is a hard matter to keep this mine in condition to comply with the law. The law regarding powder and oil is well observed. Second opening in good condition. The main heading has been driven through the mountain to Buffalo Creek where a new opening is being made. Safety lamp and stretchers on hand, but no rules posted.

This mine was reported last year as Fire Creek Mine, No. 225 of the printed report.

H. L. ATKINSON, Supt.

ZEB ARRINGTON, Mine Boss.

BEURY BROTHERS COAL AND COKE COMPANY.

P. O., BEURY, W. VA.

No. 269. *Echo Mine*.—This mine is located three miles west of Thurmond on the main line of the C. & O. Railway. It is a drift mine operating the Fire Creek Seam of coal which varies in thickness from three to four and half feet. The roof is slate and good, and the mine properly timbered. The mine is practically dry; drainage good. The ventilation, produced by natural causes is inadequate as the air is found to be very deficient in some parts of the mine, especially on the third and fourth left room headings which are driven on the single entry system, three hundred feet apart, depending on room connections for air-ways. The law relative to powder and oil is well observed. This mine is connected on the inside with Beechwood, Stone Cliff and Central mines. No rules are posted but safety lamp and stretchers are kept on hand.

This mine was reported last year as Echo Mine, No. 226 of the printed report.

H. B. BEURY Supt.

FRED LIGHT AND

PETER WOLF, Mine Bosses.

GAMOCA COAL COMPANY.

P. O., GAMOCA, W. VA.

No. 270. *Gamoca Gas Mine No. 2*.—This is a drift mine located 2 miles north of Gauley Bridge on a branch line of the C. & O. Railway, operating the No. 2 Gas Seam which has a thickness of three and a half feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system ventilated by means of a small furnace, which does not furnish sufficient air to meet with the requirements of the mine law. Cross cuts are regularly driven; mine doors and stoppings in bad condition. The mine is practically dry but not dusty to the extent of being dangerous. The oil and powder law is well observed. Second opening in good condition. Safety lamp and stretchers on hand and rules posted as required by law.

This mine was reported last year as No. 2 Gas Mine, No. 227 of the printed report.

J. M. CAMPBELL, Supt.

W. H. THOMPSON, Mine Boss.

No. 271. *Gamoca Mine No. 5 Splint*.—This is a drift mine located two miles north of Gauley Bridge on a branch of the C. & O. Railroad, operating the No. 5 Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. The developments are on the double entry system. Ventilation is produced by a ten-foot Crawford and McCrimmon fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Haulways in a wet sloppy condition with practically no system of drainage. Powder and oil law is strictly enforced. The second opening in good condition. Rules are posted; safety lamp and stretchers on hand as required by law.

This mine was reported last year as No. 5 Splint Mine, No. 228 of the printed report.

J. M. CAMPBELL, Supt.

W. H. THOMPSON, Mine Boss.

DEITZ COLLIERY COMPANY.

P. O., WYNDAL, W. VA.

No. 272. *Deitz Mine No. 2.*—This is a drift mine located on a branch of the C. & O. Railway three miles north of Gauley Bridge. It operates the No. 2 Gas Seam which has a thickness of three and a half feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system ventilated by means of a furnace with fair results. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The mine is practically dry; drainage fair. The oil and powder law is well observed. The second opening meets with the requirements. Rules are posted; safety lamp and stretchers kept on hand as required by law.

This mine was reported last year as No. 2 Gas, No. 229 of the printed report.

T. A. DEITZ, Supt.

L. D. MORAN, Mine Boss.

No. 273. *Deitz Mine No. 5.*—This is a drift mine located three miles north of Gauley Bridge on a branch of the C. & O. Railway. It operates the No. 5 Seam of coal which has a thickness of five and a half feet. The roof is slate and very good and the mine properly timbered. Ventilation is produced by a furnace which furnishes sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage good. Haulways in good condition with ample room for workmen to pass the cars. The powder and oil law is strictly enforced. The second opening in good condition.

This mine was reported last year as No. 5 Mine, No. 230 of the printed report.

T. A. DEITZ, Supt.

L. D. MORAN, Mine Boss.

LYNCHBURG COLLIERY COMPANY.

P. O., VANETTA, W. VA.

No. 274. *Lynchburg Mine.*—This is a drift mine located about one mile north of Gauley Bridge on a branch of the C. & O. Railway, operating the No. 2 Gas Seam having a thickness of four feet. The roof is slate and very good and the mine properly timbered. Developments are on the double entry system ventilated by natural means, but the air is not sufficient for the proper ventilation of the mine, this being principally due to the bad condition of mine doors and stoppings. The mine is practically dry but there are no dangerous accumulations of dust. The powder and oil law is strictly enforced. The second opening is in good condition. Rules are posted; safety lamp and stretchers on hand as required by law.

This mine was reported last year as Lynchburg Mine, No. 231 of the printed report.

T. A. DEITZ, Supt.

J. C. GRISSINGER, Mine Boss.

KANAWHA COUNTY.

FALLING ROCK CANNEL COAL COMPANY.

P. O., WEIR, W. VA.

No. 370. *Jones Nos. 1 and 2 Mines.*—This is a drift mine located five miles east of Falling Rock on a narrow gauge road to the Coal and Coke Railroad, and operates the Cannel Coal Seam which varies in thickness from twenty-four to thirty-six inches. The roof is sandstone and slate and is generally good throughout the mine; timbering good. Drainage fair. Developments are on the double entry system and ventilation is produced by a twelve-foot fan which furnishes sufficient air for the proper ventilation of the mine. Mine doors and stoppings in fair condition. The second opening meets with the requirements of law. This mine was visited twice during the year but no regular inspection was made as the mine was found to be idle.

This mine was reported last year as Jones Mine, No. 332 of the printed report. No. 2 is a new mine opened up during the year.

H. G. YOUNG AND

R. B. YOUNG, Mine Boss.

E. E. YOUNG, Supts.

THE GRAHAM COAL COMPANY.

P. O., GRAHAM MINES, W. VA.

No. 371. *Graham Mine.*—This mine is located at Mason eight miles north of Charleston on the Coal & Coke Railroad. This is a drift mine operating the North Coalburg Seam which has a thickness of six feet, with a slate roof which is generally good. The developments are on the double entry system ventilated by a furnace with only fair results. Some sections of the mine are very wet; system of drainage not good. Mine doors and stoppings in fair condition only. During the year the compressed air plant was removed from the mine, since which time the coal is principally blasted from the solid. Only a few men were employed in this mine and the second opening was found to be in bad condition. No rules are posted at the mine; no safety lamp or stretchers kept on hand. In fact, the company gives but very little attention to the development of this mine.

This mine was reported last year as Graham Mine, No. 333 of the printed report.

O. M. DOOLITTLE, Supt.

N. C. POSTON, Mine Boss.

THE ELK COAL COMPANY.

P. O., QUEEN SHOALS, W. VA.

No. 372. *Queen Shoals Mine.*—This is a drift mine located at Queen Shoals on the main line of the Coal & Coke Railroad twenty-four miles north of Charleston. The No. 5 Seam of coal is operated and varies in thickness from three and a half to five feet. The roof is sand stone and slate and very good. The mine is properly timbered. Developments are

on the double entry system. Ventilation is produced by a furnace which furnishes sufficient air for the number of persons employed. Cross cuts regularly driven; mine doors and stoppings in fair condition; drainage fair. The second opening meets the requirements of law but no rules are posted nor safety lamp or stretchers at hand.

This mine was reported last year as Queen Shoals Mine, No. 334 of the printed report.

HENRY DAVIS, Supt.

G. P. POWERS, Mine Boss.

P. O., HEATHERMAN, W. VA.

No. 373. *Turner or Morris Creek Mine No. 2.*—This is a drift mine located one mile east of Turner on a branch line of the Coal & Coke Railroad and operates the No. 5 Seam of coal which varies in thickness from three to four and a half feet. The roof is slate and sand stone which is very good and the mine is properly timbered. Drainage fair. Developments are on the double entry system. Ventilation is produced by a ten-foot Thayer fan with good results. Cross cuts between entries and rooms are driven at the proper distance. Oil used for illuminating purposes is of a fair quality. The second opening in good condition; rules are posted; safety lamp and stretchers on hand.

This mine was reported last year as Turner Mine, No. 335 of the printed report.

HENRY DAVIS, Supt.

W. D. LAVIS, Mine Boss.

LUCAS RAY COAL COMPANY.

P. O., HEATHERMAN, W. VA.

No. 374. *Lucas Ray Mine.*—This is a drift mine located two miles east of Turner on a branch line of the Coal & Coke Railroad, operating the No. 5 Seam of coal which has a thickness of three feet. The roof is slate and generally good. The mine is developed on the double entry system and ventilated by a furnace with poor results. Cross cuts are neglected to some extent. System of drainage poor. This mine has been developed but very little during the past year. The second opening is in fair condition. No rules are posted at the mine; no safety lamp or stretchers at hand.

This mine was reported last year as Lucas Ray Mine, No. 336 of the printed report.

SAMUEL SIMPKINS, Supt.

JAMES LUCAS, Mine Boss.

JEFFERSON COAL AND COKE COMPANY.

No. 375 *Heatherman Mine.*—This mine was abandoned November 30, 1906.

C. W. JONES, Supt.

C. A. WORDEN, Mine Boss.

PEN MAR MINING COMPANY.

P. O., GRAHAM MINES, W. VA.

No. 376. *Pen Mar Mine.*—This is a drift mine located eight miles north of Charleston on the Coal & Coke Railroad. The North Coalburg Seam

is operated and has a thickness of five and a half feet. The roof is slate and generally good. This mine is not developed on any regular system, depending on natural means for ventilation which gives very poor results, as no substantial arrangements are made for the distribution of air. Some sections of the mine are very wet; drainage poor. The second opening does not meet with the requirements of the law. This mine was formerly operated by the Pen Mar Mining Company but by order of the court, several months ago, the property was placed in the hand of a receiver, who gives but little attention to the development of the mine, which is operated on the cheapest possible scale, not having more than a dozen men employed in and about the mine.

This mine was reported last year as Pen Mar No. 1 Mine, No. 338 of the printed report.

JACOB HOUSHOLDER, Supt. • JACOB HOUSHOLDER, Mine Boss.

KANAWHA-ELK COAL COMPANY.

No. 377. *Peacock Mine*.—This mine worked very little during the year and was abandoned on April 1, 1907, for reason of the company's inability to get railroad cars.

J. G. VAUGHAN, Supt.

J. H. VAUGHAN, Mine Boss.

CLENDENIN MINING COMPANY.

No. 378. *Taggart Mine*.—This mine was idle practically the entire year.

No officials.

CLAY COAL COMPANY.

P. O., BARREN CREEK, W. VA.

No. 379. *Gaghan or White Ash Mine*.—This is a drift mine located twenty-six miles north of Charleston on the west side of Elk River and operates the No. 5 Seam of coal which has a thickness of four feet. The roof is slate and generally good. The developments are on the double entry system and ventilation is produced by a furnace which furnishes sufficient air for the number of persons employed. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in good condition; drainage fair. The second opening meets with the requirements. The deficiencies are: no rules posted, no safety lamp or stretchers on hand as required by law.

This mine was reported last year as Gaghan Mine, No. 342 of the printed report.

GEORGE GAGHAN, Supt.

WILLIAM WOODRUM, Mine Boss.

MILL CREEK CANNEL COAL COMPANY.

P. O., VILLA, W. VA.

No. 380. *Mill Creek Mine*.—This is a drift mine located on Mill Creek on a narrow gauge road four and a half miles from the main line of the

Coal & Coke Railroad. The Cannel Coal Seam is operated and varies in thickness from three to four and a half feet. The roof is slate and is only fairly good. The miners are well supplied with timber and, as a rule, the working places are properly timbered. The mine is developed on the double entry system and ventilated by a twelve-foot fan which furnishes sufficient air for the ventilation of the mine when properly distributed. Cross cuts are not regularly driven owing to the depressions in this seam of coal which makes it impracticable as it would incur great expense to drive them at proper distances. Mine doors and stoppings in fair condition; drainage fair. The second opening meets with the requirements. No rules are posted, no safety lamp or stretchers on hand as required by law.

This mine was reported last year as Mill Creek Mine, No. 343 of the printed report.

L. H. KIRBY, Supt.

H. W. MATHENY AND

GEO. DOOLEY, Mine Bosses.

BLUE CREEK COAL AND LAND COMPANY.

P. O., POND GAP, W. VA.

No. 381. *Wills Hollow Mines Nos. 1 and 2.*—These mines are located on Blue Creek on the Kanawha & West Virginia Railroad. They are drift openings operating the No. 5 Seam varying in thickness from four to five feet with a slate roof which is generally good. The mine is properly timbered. The developments are on the double entry system ventilated by a temporary furnace which does not furnish sufficient air to meet with the requirements of the law. Cross cuts between entries and rooms are driven at the proper distance. Mine doors and stoppings in good condition. The main haulways are kept clean with ample room for workmen to pass the cars. Drainage fair. The second openings are in a good condition. Safety lamp and stretchers on hand and rules posted. Machinery was on the ground and preparations being made to install an electric plant. When this is completed electric mining machines and fans will be installed at the mines operated by this company.

These mines were reported last year as Wills Hollow Nos. 1 and 2, Nos. 371 and 372 of the printed report.

JOSEPH S. MILLER, Supt.

JOHN ELSWICK, Mine Boss.

No. 382. *Blakeley No. 3 Mine.*—This mine is located on Blue Creek on the Kanawha & West Virginia Railroad. It is a drift opening operating the No. 5 Seam which varies in thickness from four to five feet. The roof is slate and good and the mine properly timbered. Developments are on the double entry system, ventilated by a temporary furnace which does not furnish sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage fair. Powder and oil law strictly enforced. The second opening meets with the requirements of law. Safety lamp and stretchers on hand and rules posted.

This mine was reported last year as Pond Fork No. 3 Mine, No. 373 of the printed report.

JOSEPH S. MILLER, Supt.

ROBERT MILLER, Mine Boss.

No. 383. *No. 4 Mine.*—Is in the Lewiston Seam, but was not in operation during the year.

This mine was reported last year as Pond Fork No. 4 Mine, No. 374 of the printed report.

JOSEPH S. MILLER, Supt.

COLUMBIA COAL MINING COMPANY.

No. 384. *Shrader Nos. 1 and 2 Mines.*—These mines were only operated a short time during the forepart of the year.

Reported last year as Shrader Nos. 1 and 2 Mines, Nos. 368 and 369 of the printed report.

W. F. HARVEY, Supt.

No. 385. *Shrader No. 3 Mine.*—This mine was idle during the entire year.

W. F. HARVEY, Supt.

RODERICK COAL COMPANY.

P. O., QUICK, W. VA.

No. 386. *Roderick Mine.*—This is a new mine located on the Kanawha & West Virginia Railroad seventeen miles from the mouth of Blue Creek and operating the No. 5 Seam of coal which has a thickness of four and a half feet. The roof is slate and very good. The mine is developed on the double entry system and ventilated by a temporary furnace which furnishes sufficient air for the present development. The second opening meets with the requirements. No rules are posted; no safety lamp or stretchers at hand as required by law. Machinery was on the ground and preparations were made to install an electric plant.

G. H. P. SPRUCE, Supt.

D. D. WILLIAMS, Mine Boss.

CAMPBELLS CREEK COAL COMPANY.

P. O., DANA, W. VA.

No. 387. *No. 2 or Calderwood Mine.*—This is a drift mine located on the Campbells Creek Railroad one mile east of Dana, operating the Campbells Creek Seam of coal which has a thickness of five feet. The roof is slate of a dangerous character and requires careful attention to insure safety. The miners are well supplied with timber for propping and the mine is properly timbered. Ventilation is produced by an eight-foot Thayer fan which gives only fair results which is due to the fact that principally all of the work is drawing pillars which cause heavy falls of slate that obstruct the airways and allow the black damp to escape from the old workings to the extent that it was found necessary to operate the fan day and night to keep the mine in condition for the men to work.

Some sections of the mine are very wet and the system of drainage poor. The second opening in fair condition. No rules are posted at the mine.

This mine was reported last year as Calderwood Mine, No. 344 of the printed report.

W. V. RENSFORD, Supt.

JEFF ATKINS, Mine Boss.

P. O., PUTNEY, W. VA.

No. 388. *Putney Mine No. 1.*—This mine is located at Putney on the Campbells Creek Railroad, fourteen miles east of Dana. It is a drift mine operating the No. 5 Seam of coal which varies in thickness from four and a half to five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system ventilated by a ten-foot Thayer fan which gives good results. Cross cuts between entries and rooms are driven at the proper distances. Mine doors and stoppings in fair condition. Drainage good. All powder is taken into the mine in cans of 5 pounds capacity. The employes were using an oil for illuminating purposes, furnished them by the company, which was of a very inferior quality. The superintendent's attention was called to this matter and he gave the assurance that in the future the men would be supplied with oil that would meet the requirements of law. The second opening was in good condition. Rules posted at the mine; safety lamp and stretchers kept on hand.

This mine was reported last year as Putney No. 1 Mine, No. 345 of the printed report.

W. V. RENSFORD, Supt.

J. C. SMITH, Mine Boss.

No. 389. *Putney Mine No. 3.*—This mine is located at Putney and operated in connection with the Putney Mine No. 1. It is a drift, operating the No. 5 Seam of coal which varies in thickness from four and a half to five and half feet with a slate roof which is generally good. The mine is properly timbered. Developments are on the double entry system ventilated by a temporary furnace which does not furnish sufficient air to meet with the requirements of the law. Cross cuts between rooms are neglected to some extent; mine doors and stoppings in fair condition. The second opening meets with the requirements.

This mine was reported last year as Putney No. 2 Mine, No. 346 of the printed report.

W. V. RENSFORD, Supt.

J. C. SMITH, Mine Boss.

KANAWHA BLOCK COAL COMPANY.

No. 390. *Belle Mine.*—This mine did very little during the year and was abandoned February, 1907.

Reported last year as Belle Mine, No. 348 of the printed report.

J. B. RAMAGE, Supt.

P. J. YOUNG, Mine Boss.

QUINCY COAL COMPANY.

P. O., QUINCY, W. VA.

No. 391. *Quincy Mine No. 1.*—This mine is located one mile east of Dickinson on a branch line of the K. & M Railroad. It is a drift opening

operating the Lewiston Seam which has a thickness of three and a half feet. The roof is slate and good and properly timbered. Developments are on the double entry system ventilated by a five-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine when properly distributed. In some sections the air was deficient due to neglect to drive the cross cuts at proper distances. Mine doors and stoppings in fair condition. The mine is practically dry. Powder and oil law is well observed. The second opening meets with all the requirements of the law. No rules are posted; no safety lamp or stretchers on hand.

This mine was reported last year as Quincy No. 1 Mine, No. 350 of the printed report.

WILLIAM DICKINSON, Supt.

I. C. MORRIS, Mine Boss.

No. 392. *Quincy Mine No. 2*—This mine is located one mile east of Dickinson on a branch line to the K. & M. Railroad. It is a drift opening operating the No. 5 Seam which has a thickness of five and one-half feet. The roof is slate and good. The developments are on the double entry system. Ventilation is produced by a temporary furnace which does not furnish sufficient air for the proper ventilation of the mine. Mine doors and stoppings in fair condition; drainage very poor. The second opening does not meet with the requirements of the law. The superintendent was notified of the deficiency in the ventilation, and a written notice was served not to employ more than twenty persons at any one time until the second opening was placed in condition to comply with the law. No rules posted; no safety lamp or stretchers on hand. This mine was reported last year as Quincy No. 2 mine, No. 351 of the printed report.

WILLIAM DICKINSON, Supt.

J. M. KELLY, Mine Boss.

SUNDAY CREEK COMPANY.

P. O., SHREWSBURY, W. VA.

No. 393. *Sunday Creek Mine No. 101*.—This is a drift mine located at Shrewsbury on the main line of the K. & M. Railroad, operating the No. 5 Seam which varies in thickness from five to six feet. The roof is slate which is fairly good. Developments are on the double entry system, ventilated by a six-foot fan which furnishes sufficient air for the proper ventilation of the mine, and with the exception of a few places the air is properly distributed. Cross cuts are driven at the proper distances; mine doors and stoppings in fair condition. A part of the mine is very wet; system of drainage poor. Owing to the light surface and irregular grades it would be very expensive to install a good system of drainage. Powder and oil law is well observed. Second opening meets the requirements. Safety lamp and stretchers on hand and rules posted.

This mine was reported last year as No. 101 Mine, No. 353 of the printed report.

W. F. MANDT, Supt.

H. W. PENROD, Mine Boss.

P. O., CEDAR GROVE.

No. 394. *Sunday Creek Mine No. 10 $\frac{1}{2}$* .—This mine is located near Cedar

Grove on the Kellys Creek Railroad. It is a drift mine operating the Coalburg Seam which has a thickness of five feet. The roof is slate and only fairly good. The mine is properly timbered. Developments are on the double entry system. Ventilation is produced by a seven-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Mine doors and stoppings in good condition; drainage fair. The second opening meets with the requirements of the law. Rules are posted; safety lamp and stretchers kept at hand.

This mine had not been in operation for six years, but was recently reopened by the above company and a force of men have been employed in constructing a tippie and incline and making needed improvements and repairs so as to place the mine in condition to be operated. Shipments of coal will begin sometime in July.

This mine was reported last year as No. 104 Mine, No. 355 of the printed report.

W. F. MANDT, Supt.

F. W. MANDT, Mine Boss.

P. O., MAMMOTH, W. VA.

No. 395. *Sunday Creek Mine No. 105.*—This is a drift mine located at Mammoth six miles east of Cedar Grove on the Kellys Creek Railroad, operating the Coalburg Seam which has a thickness of five and a half feet. The roof is slate and generally good and the mine properly timbered. Developments are on the double entry system. Ventilation is produced by a five-foot Thayer fan. The air is properly distributed with the exception of a part of the mine known as the No. 10 Cut-Off heading, where the ventilation was found to be deficient. Cross cuts are driven at the proper distances. Mine doors and stoppings in good condition. The main haulways are kept clear of obstructions with ample room for workmen to pass the cars. Powder and oil law is strictly enforced. The mine is practically dry. Second opening meets with the full requirements of the law. Safety lamp and stretchers on hand and rules posted at the mine.

This mine was reported last year as No. 105, No. 356 of the printed report.

W. F. MANDT, Supt.

WILLIAM WELCH, Mine Boss.

No. 396. *Sunday Creek Mine No. 106.*—This mine was idle except the first month of the fiscal year.

W. F. MANDT, Supt.

JOHN SIMS, Mine Boss.

No. 397. *Sunday Creek Mine No. 108.*—This mine was idle practically the entire year.

W. F. MANDT, Supt.

No. 398. *Sunday Creek Mine No. 109.*—This mine is located near Mammoth on the Kellys Creek Railroad, seven miles east of Cedar Grove. It is a drift opening operating the No. 5 Seam which has a thickness of five and a half feet. The roof is slate and generally good and the

mine properly timbered. Developments are on the double entry system, is ventilated by a six-foot Thayer fan with fair results. Cross cuts are driven at the proper distances; mine doors and stoppings in fair condition. Drainage only fair. The main haulways are kept clear of side obstructions with ample room for workmen to pass the cars. Powder and oil law is well enforced. Second opening in good condition. Rules posted; safety lamp and stretchers kept on hand.

This mine reported last year as No. 109 Mine, No. 359 of the printed report.

W. F. MANDT, Supt.

D. B. ROSS AND W. F. MANDT, Mine Bosses.

No. 399. *Sunday Creek Mine No. 110.*—This mine was only in operation 40 days during the fore part of the year. Reported last year as No. 110 Mine, No. 360 of the printed report.

W. F. MANDT, Supt.

Wm. WELCH, Mine Boss.

NEW CEDAR GROVE COAL AND BRICK COMPANY.

P. O., CEDAR GROVE, W. VA.

No. 400. *Boyd Mine.*—This is a drift mine located at Cedar Grove on the K. & M. Railroad, operating the Cedar Grove Seam which has a thickness of three feet with a slate roof which is very good. The developments are on the double entry system, ventilated by a temporary furnace which does not furnish sufficient air to meet the requirements of law. Cross cuts are neglected to some extent in the rooms. Mine doors and stoppings in fair condition. Drainage good. The second opening is not in condition to comply with the law, but a new opening is being made and no more than twenty persons will be employed until this opening is completed. No rules posted; no safety lamp or stretchers on hand.

This mine was reported last year as Boyd Mine, No. 361 of the printed report.

THOMAS BOYD, Supt.

THOMAS BOYD, Mine Boss.

KELLYS CREEK COLLIERY COMPANY.

P. O., WARD, W. VA.

No. 401. *Kellys Creek Mine No. 1.*—This is a drift mine located at Ward two miles east of Cedar Grove on the Kellys Creek and Northwestern Railroad. It operates the Coalburg Seam which varies in thickness from four and a half to five and a half feet. The roof is slate and in some section there is a draw slate varying in thickness from ten to fifteen inches and of a dangerous character, which must be taken down or carefully timbered to insure safety. The miners are well supplied with timber this purpose. Ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine, if properly distributed. With the exception of a few rooms the ventilation was found to be very good. Cross cuts are regularly driven; mine doors in good condition; stoppings only fair. Drainage good. Powder and oil law is strictly enforced. Second opening meets with the re-

quirements of law; rules are posted; safety lamp and stretchers on hand.

This mine was reported last year as No. 1 Mine, No. 362 of the printed report.

H. T. SMARR, Supt.

Wm. MARTIN, Mine Boss.

No. 402. *Kellys Creek Mine No. 3.*—This mine is located at Ward on the Kellys Creek and Northwestern Railroad, three miles east of Cedar Grove. It is a drift operating the Coalburg Seam which varies in thickness from four and a half to five and a half feet. The roof is slate and in some sections of the mine the draw slate is of a dangerous nature, varying in thickness from eight to fifteen inches which has to be taken down or carefully timbered to insure safety. The miners are well supplied with timber and, as a rule, the working places are properly timbered. Ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine. Ventilation was found to be very good with the exception of a few places in which the cross cuts were not driven at the proper distance. Mine doors and stoppings in fair condition. The mine is practically dry; drainage fair. Powder and oil law is well observed. Second opening meets with the requirements of law. Rules are posted; safety lamp and stretchers on hand.

This mine was reported last year as No. 3 Mine, No. 363 of the printed report.

H. T. SMARR, Supt.

HARRY TAYLOR, Mine Boss.

No. 403. *Kellys Creek Mine No. 3 1-2.*—This is a drift mine located at Ward and operated in connection with Mine No. 3. It operates the Coalburg Seam which has a thickness of five and a half feet with a slate roof which is fairly good. The developments are on the double entry system. Ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine and is properly distributed. Cross cuts between entries and rooms are driven at the proper distances. Mine doors and stoppings in good condition. The mine is practically dry. Haulways are kept clear of obstructions with ample room for workmen to pass the cars. The second opening meets with the requirements.

This mine was not in operation last year.

H. T. SMARR, Supt.

HARRY TAYLOR, Mine Boss.

No. 404. *Kellys Creek No. 4 Mine.*—This mine is in the Cedar Grove Seam, but was only in operation part of the year.

Reported last year as No. 4 Mine, No. 364 of the printed report.

H. T. SMARR, Supt.

Wm. SHANNON, Mine Boss.

HUGHES CREEK COAL COMPANY.

P. O., HUGHESTON, W. VA.

No. 405. *Hugheston Mine No. 2.*—This mine is located at Hugheston on the K. & M. Railroad. It is a drift opening operating the Coalburg Seam which varies in thickness from four and a half to five and a half

feet. The roof is slate of a dangerous character, sections of the mine having a draw slate varying in thickness from twelve to eighteen inches which generally has to be taken down to insure safety. The miners are well supplied with timber for propping and, as a rule the working places are well timbered. Developments are on the double entry system. Ventilation is produced by an eight-foot Crawford and McCrimmon fan that furnishes sufficient air for the proper ventilation of the mine. Cross cuts between entries and rooms are driven at the proper distance; mine doors and stoppings in fair condition. The mine has but little water to contend with; drainage fair. Powder and oil law is strictly enforced. The second opening is in good condition. Safety lamp and stretchers on hand; rules posted as required by law.

This mine was reported last year as Hugheston No. 2 Mine, No. 365 of the printed report.

J. W. MOORE, Supt.

JOHN NUGENT, Mine Boss.

No. 406. *Hugheston Mine No. 3.*—This is a drift mine located at Hugheston on the K. & M. Railroad. It is a drift opening operating the Coalburg Seam which has a thickness of five feet. The roof is slate and of a dangerous character as in some sections the draw slate varies in thickness from eight to twelve inches and must be taken down or carefully timbered to insure safety. The miners are well supplied with timber for propping. The developments are on the double entry system and ventilation is produced by a seven-foot fan which furnishes sufficient air if properly distributed. The air was found to be deficient in a few of the rooms due to neglect to have the cross cuts driven at the proper distances. Mine doors and stoppings in fair condition. Drainage only fair. Powder and oil law is well observed. The second opening meets with the requirements of the law. Safety lamp and stretchers on hand and rules posted.

This mine was reported last year as Hugheston No. 3 Mine, No. 366 of the printed report.

J. W. MOORE, Supt.

ANDREW ARCHIBALD, Mine Boss.

CANNELTON COAL COMPANY.

P. O., CANNELTON, W. VA.

No. 407. *Cannelton Mine No. 2.*—This mine is located on Smithers Creek one mile east of Cannelton on a branch line to the K. & M. Railroad. This is a drift mine operating the No. 2 Gas Seam which varies in thickness from five and a half to seven and one-half feet with a slate roof which is very good, and properly timbered. Developments are on the double entry system ventilated by a ten-foot Thayer fan which gives good results throughout the mine. Cross cuts between entries and rooms are driven at proper distances. The mine is equipped with automatic mine doors; stoppings in good condition. The mine is practically dry but there is a dampness throughout that alleviates the necessity of sprinkling to allay the dust. Haulways in good condition with ample room for workmen to pass the cars. Powder and oil law is well observed. The second opening meets

with the requirements; rules are posted, safety lamp and stretchers kept on hand.

This mine was reported last year as No. 2 Gas Mine, No. 367 of the printed report.

LANGDON LEA, Supt.

NEIL McCAFFERTY, Mine Boss.

THE MARMET COAL COMPANY.

P. O., MONARCH, W. VA.

No. 408. *Monarch Mine No. 1.*—This mine is located at Monarch on the K. & M. Railroad. It is a drift opening operating the Cedar Grove Seam which has a thickness of three and a half feet. The roof is slate and generally good and the mine well timbered. The developments are on the double entry system. Ventilation is produced by a seven-foot Thayer fan which does not furnish sufficient air to meet with the requirements of law, this being partly due to the slow speed of the fan and slate obstructions in the intake airway. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage good. Main haulway in good condition. Powder and oil law is well enforced. The second opening in good condition. Stretchers and safety lamp on hand, and rules posted at the mine.

This mine was reported last as Monarch Mine, No. 375 of the printed report.

W. H. MORRIS AND
R. T. PRICE, Supts.

C. W. KING AND
W. H. MORRIS, Mine Bosses.

No. 409. *Monarch Mine No. 2.*—This is a drift mine located at Monarch, operated in connection with the Marmet No. 1 Mine. The Cedar Grove Seam is operated and has a thickness of three and a half feet. The roof is slate and generally good and the mine properly timbered. Drainage good. The developments are on the double entry system. Ventilation is produced by a seven-foot Thayer fan that furnishes sufficient air which is properly distributed. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The second opening meets with the requirements.

This mine was included in last year's report as Monarch Mine, No. 375 of the printed report.

W. H. MORRIS AND
R. T. PRICE, Supts.

C. W. KING AND
W. H. MORRIS, Mine Bosses.

MASON COUNTY.

MASON CITY COAL MINING COMPANY.

P. O., MASON, W. VA.

No. 505. *Linden Mine.*—This is a drift mine located on the B. & O. Railroad one mile east of Mason, and operates the Pittsburg Seam of coal which has a thickness of five feet. The roof is sand stone and slate and generally good and the mine properly timbered. Ventilation is produced

by a small fan which does not give satisfactory results this being due to the improper system under which the mine was formerly developed. The present management is endeavoring to place the mine in condition to meet the requirements of law. The second opening is in good condition and rules are posted. No safety lamp or stretchers kept at hand.

This mine was reported last year as Linden Mine, No. 469 of the printed report.

C. J. RYAN, Supt.

J. G. ROUSH, Mine Boss.

THE LIVERPOOL SALT AND COAL COMPANY.

P. O., HARTFORD, W. VA.

No. 506. *Jackson Furnace Mine*.—This mine is located at Hartford. It is a drift, operating the Pittsburg Seam of coal which has a thickness of from four and a half to five feet. The roof is slate and generally good and the mine properly timbered. The mine is developed on the double entry system and ventilated by a ten-foot fan but the air is not properly distributed, this being due to the return air-way being obstructed by a boiler and pump which is installed some distance within the mine, for the purpose of handling the large quantity of water that they have to contend with as nearly all of the working places are very wet. Cross cuts are driven at the proper distances and mine doors and stoppings in fair condition. The second opening does not meet with the requirements of law. Rules are not posted and safety lamp and stretchers are not kept on hand.

This mine was reported last year as Jackson Furnace Mine, No. 470 of the printed report.

H. F. SMITH, Supt.

SAMUEL EDWARDS, Mine Boss.

HARTFORD COAL AND MINING COMPANY.

P. O., HARTFORD, W. VA.

No. 507. *Hartford Mine*.—This is a slope mine, located at Hartford on the B. & O. Railroad, operating the Pittsburg Seam of coal on the double entry system. Ventilation is produced by a twelve-foot fan which gives very poor results, this being due to the bad condition of mine doors and stoppings which allows a large quantity of the black damp to escape from the old workings. Some sections of the mine are very wet; drainage fair. The roof is sand stone and slate and generally good, and the mine properly timbered. The employees use a fair quality of oil. The second opening is in good condition, but no rules are posted. For a number of years the product of this mine has been used in the manufacture of salt, but during the year the management has changed, and a river tipple has been constructed and now a large part of the product is being loaded in barges for river shipment.

This mine was reported last year as Hartford Mine of Hartford City Salt Company, No. 471 of the printed report.

H. G. GREER, Supt.

JOHN ROY, Mine Boss.

CONSUMERS COAL AND MINING COMPANY.

P. O., SPILMAN, W. VA.

No. 508. *Camden Mine*.—This is a drift mine located at Spilman on the B. & O. Railroad and operates the Pittsburg Seam which has a thickness of four feet. The roof is slate and fairly good, and the mine is properly timbered. The developments are on the double entry system, ventilated by a ten-foot Crawford and McCrimmon fan which, at a slow speed, furnishes 27,000 cu. ft. of air per minute, which is properly distributed. Some sections of the mine are very wet but the system of drainage has recently been improved by installing a pump. A fair quality of oil is used by the employes and the powder is taken into the mine in small flasks. The second opening meets with the requirements of the law. Rules are posted; safety lamp and stretchers kept at the mine.

This mine was reported last year as Camden Mine, No. 473 of the printed report.

ARTHUR MITCHELL, Supt.

JAMES SMITH, Mine Boss.

HANGING ROCK COAL COMPANY.

P. O., HARTFORD, W. VA.

No. 509. *Klondike Mine*.—This is a drift mine located one mile west of Hartford on the B. & O. Railroad, operating the Pittsburg coal which has a thickness of five feet. The roof is slate and very good. The mine is properly timbered. Developments are on the double entry system. Ventilation is produced by a small furnace which furnishes sufficient air for the number of persons employed. Cross cuts are regularly driven. Mine doors and stoppings in fair condition. The mine is practically dry; drainage good. Powder and oil law is well enforced. The second opening in good condition. No rules are posted; no safety lamp or stretchers kept on hand. This property was recently purchased by the Mason City Mining Company.

This mine was reported last year as Klondike Mine, No. 474 of the printed report.

HOWARD ROBINSON, Supt.

ROBERT KNIGHT, Mine Boss.

BEECH GROVE COAL COMPANY.

P. O., MASON, W. VA.

No. 510. *Beech Grove Mine*.—This is a drift mine located one mile west of Mason on the B. & O. Railroad, and operates the Pittsburg Seam of coal which has a thickness of five feet with a slate roof which is generally good and well timbered. Ventilation is produced by natural causes with only fair results. A part of the mine is very wet and the system of drainage is only fairly good. A fair quality of oil is used by the employes and the powder is taken into the mine in small flasks. This mine was idle for some time during the year being operated only during the fall and winter months. The second opening meets with the requirements, but no rules are posted and no safety lamp or stretchers kept at hand.

This mine was reported last year as Beech Grove Mine, No. 475 of the printed report.

JOSEPH ICENHOWER, Supt.

FRED ICENHOWER AND

H. H. WILLIAMS, Mine Bosses.

DIXIE COAL WORKS.

P. O., MASON, W. VA.

No. 511. *Dixie Mine.*—This mine is located at Mason on the B. & O. Railroad. It is a drift opening operating the Pittsburg coal which varies in thickness from four to five feet. The roof is slate and generally good and the mine properly timbered. The developments are on the double entry system. Ventilation is produced by a large furnace which furnishes sufficient air for the proper ventilation of the mine. Mine doors and stoppings in good condition. In some sections of the mine there is a considerable quantity of water to contend with but a large pump has recently been installed and a pipe line laid which makes a good system of drainage. The second opening is in good condition. Rules are posted; safety lamp and stretchers kept at hand.

This mine was formerly known as the Hope Mine and operated by the Hope Salt and Coal Company. After lying idle for two years it was purchased by the Dixie Coal Works, and for several months a force of men has been employed constructing a tippie for loading coal into railroad cars and making other substantial improvements in and about the mine. Shipments of coal will begin in September.

This mine was reported last year as Hope Mine, No. 468 of the printed report.

G. H. GRESS, Supt.

BEN PHILIPS, Mine Boss.

NICHOLAS COUNTY.

BELL CREEK COAL COMPANY.

P. O., BELVA, W. VA.

No. 512. *Bell Creek Mine.*—This mine is located on Twenty Mile Creek on a branch of the C. & O. Railway seven miles north of Gauley Bridge. It is a drift opening operating the Coalburg Seam which has a thickness of four feet. The roof is slate and good and the mine well timbered. Developments are on the double entry system. Ventilation is produced by a six foot fan which furnishes sufficient air, to ventilate the mine if properly distributed, but, in some sections, the air was found to be deficient this being due to improper construction of mine doors and stoppings. There is but little water to contend with; system of drainage poor. Second opening in good condition. No rules posted; no safety lamp or stretchers on hand.

This mine was reported last year as Bell Creek Mine, No. 477 of the printed report.

C. G. WOOD, Supt.

SCOTT TAYLOR, Mine Boss.

THE COLUMBUS COAL COMPANY.

No. 513. *No. 1 Mine.*—This mine was only in operation a small part of the year.

G. W. HOPE, Supt.

JOHN H. KIRBY, Mine Boss.

No. 514. *No. 2 Mine.*—This mine, as well as the No. 1 Mine, was idle most of the year.

G. W. HOPE, Supt.

JOHN H. KIRBY, Mine Boss.

KENTUCKY COAL AND LUMBER COMPANY.

P. O., CAMBRIA, W. VA.

No. 515. *Cambria Mine.*—This mine is located on the Open Fork of Bell Creek, on a branch line to the C. & O. Railway ten miles north of Gauley Bridge. It is a drift mine operating the Coalburg Seam which has a thickness of four feet. The roof is slate and generally good and the mine properly timbered. Drainage poor. Developments are on the double entry system, ventilated by natural means and is not sufficient to meet with the requirements of law. Cross cuts are regularly driven; mine doors and stoppings in fair condition. The second opening meets with the requirements. Deficiencies are: no rules posted; no safety lamp or stretchers on hand. This mine was formerly operated by the Cambria Mining Company, but during the year it passed to the management of the Kentucky Coal and Lumber Company.

This mine was reported last year as Cambria Mine, No. 480 of the printed report.

L. D. BURNS, Supt.

C. E. BOGGS, Mine Boss.

No. 516. *Mount Carmel Mine.*—This mine is located on the Open Fork of Bell Creek on a branch of the C. & O. Railway ten miles north of Gauley Bridge. It is a drift opening operating the Coalburg Seam which has a thickness of four feet. The roof is slate and is generally good and the mine properly timbered. Drainage fair. Developments on the double entry system. Ventilation is produced by a seven-foot fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Powder and oil law well observed. The second opening meets with the requirements; rules are posted; stretchers on hand as required by law.

This mine was formerly operated by the Mount Carmel Coal & Coke Company but during the year it passed to the management of the Kentucky Coal and Lumber Company.

This mine was reported last year as Mt. Carmel Mine, No. 481 of the printed report.

L. D. BURNS, Supt.

L. H. ARTHUR, Mine Boss.

No. 517. *National Mine.*—This is a drift mine located on the Open Fork of Bell Creek ten miles north of Gauley Bridge on a branch of the C. & O. Railway. The Coalburg Seam is operated and has a thickness of four feet, with a slate roof which is fairly good and properly timbered. The developments are on the double entry system, ventilated by a temporary

furnace which does not furnish sufficient air to meet with the requirements of the law. Cross cuts are regularly driven; mine doors and stoppings in fair condition. Drainage only fair. Second opening meets with the requirements. No rules posted; no safety lamp or stretchers kept on hand as required by law.

This mine was formerly operated by the National Coal Company but during the year it passed to the management of the Kentucky Coal and Lumber Company.

Was reported last year as National Mine, No. 482 of the printed report.
L. D. BURNS, Supt. C. C. BAYLES, Mine Boss.

ARMINIUS COAL COMPANY.

P. O., SCOTFORD, W. VA.

No. 518. *Arminius Mine*.—This is a drift mine located on the Open Fork of Bell Creek on a branch of the C. & O. Railway, eleven miles from Gauley Bridge. It is a drift opening operating the Coalburg Seam which has a thickness of three and a half feet with a slate roof which is good and the mine is properly timbered. The developments are on the double entry system, ventilated by a temporary furnace which furnishes sufficient air for the number of persons employed. Cross cuts are regularly driven; mine doors and stoppings in good condition. Drainage fair. The second opening meets with the requirements. Deficiencies are: no rules posted; no safety lamp or stretchers kept on hand.

This mine was reported last year as Arminius Mine, No. 483 of the printed report.

G. E. SMITH, Supt. S. W. SMITH, Mine Boss.

PAINT CREEK COLLIERIES COMPANY.

P. O., GREENDALE, W. VA.

No. 519. *Raven or Greendale Mine*.—This mine is located on Twenty Mile Creek on a branch of the C. & O. Railway, fourteen miles north of Gauley Bridge. It is a drift mine operating the Coalburg Seam which has a thickness of three and a half feet. The roof is slate and generally good and the mine well timbered. The developments are on the double entry system. Ventilation is produced by an eight-foot Thayer fan which furnishes sufficient air for the proper ventilation of the mine but the air was found deficient in a few of the rooms this being due to neglect in driving the breakthroughs at the proper distance. Mine doors and stoppings in fair condition. The mine is practically dry having but little water to contend with. Powder and oil law is well observed. The second opening is in fair condition. No rules posted; no safety lamp or stretchers on hand.

This mine was reported last year as Greendale Mine of the Gauley Company, No. 484 of the printed report.

J. R. SHARP AND
F. H. SNYDER, Supts.

J. A. KIRBY AND
J. H. WALKER, Mine Bosses.

PUTNAM COUNTY.

PLYMOUTH COAL AND MINING COMPANY.

P. O., PLYMOUTH, W. VA.

No. 520. *Plymouth Mine*.—This is a drift mine located at Plymouth on the main line of the K. & M. Railroad, operating the Pittsburg Seam of coal which has a thickness of five and a half feet with a slate roof of a dangerous character which has to be given careful attention to insure safety. The miners are well supplied with timber and, as a rule, all working places are properly timbered. Cross cuts between rooms and entries are regularly driven; mine doors and stoppings in fair condition. Ventilation is produced by two fans—one a six-foot Thayer and the other a twelve-foot Crawford & McCrimmon—which gives very good results. The twelve-foot fan is principally used in keeping the mine clear of the black damp that escapes from the old workings. The employes use a good quality of oil for illuminating purposes. All powder is taken into the mine in five pound flasks. The second opening is in good condition. Rules are posted; safety lamp and stretchers kept on hand. Occasionally when a heading strikes a clay vein, considerable explosive gas is liberated, but this only lasts during the time that the heading is in the clay vein. A fire boss is employed who makes a careful inspection of these working places, each morning, before any one is allowed to enter the mine.

This mine was reported last year as Plymouth, No. 485 of the printed report.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Boss.

No. 521. *Manilla Mine*.—This is a drift mine located at Plymouth and operates the Pittsburg Seam of coal which has a thickness of five and a half feet with a slate roof of a dangerous character which requires careful attention to insure safety. The miners are well supplied with timber and the mine is properly timbered. Drainage fairly good. Developments are on the double entry system and ventilation is produced by a sixteen-foot Crawford and McCrimmon fan which, at a slow speed, produces 35,000 cu. ft. of air per minute, which is properly distributed to the working places. Cross cuts between rooms and entries are driven at the proper distances; mine doors and stoppings in good condition. The employes use a fair quality of oil for illuminating purposes and powder is taken into the mine in quantities not to exceed five pounds. The second opening is in good condition; rules are posted; safety lamp and stretchers kept at hand.

This mine was reported last year as Manilla Mine, No. 486 of the printed report.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Boss.

No. 522. *California Mine*.—This is a drift mine located at Plymouth and operates the Pittsburg Seam of coal which has a thickness of five and a half feet with a slate roof of a dangerous nature. The miners

are well supplied with timber and the working places are well timbered. The developments are on the double entry system and ventilation is produced by a six-foot Thayer fan which gives very good results. Cross cuts between entries and rooms are driven at the proper distances; mine doors and stoppings in fair condition; drainage only fair. A fair quality of oil is used for illuminating purposes and all powder is taken into the mine in five pound flasks. At times, explosive gas, in small quantities, is liberated in the mine, but this is given very careful attention and not allowed to accumulate in dangerous quantities, as Mr. Virgin, who has charge of the Plymouth mines, is a very competent man, and thoroughly understands the ventilation of mines. The second opening is in good condition; rules are posted and safety lamp and stretchers kept at hand.

This mine was reported last year as California Mine, No. 487 of the printed report.

W. C. MITCHELL, Supt.

JOSEPH VIRGIN, Mine Boss.

THE OTTO MARMET COAL AND MINING COMPANY.

P. O., RAYMOND CITY, W. VA.

No. 523. *Big Otto Mine No. 1.*—This is a drift mine located on Harmon's Creek, five miles east of Raymond City, on a short line railroad to the K. & M. Railroad and the river tipple. The Pittsburg Seam of coal is operated which has a thickness of five and a half feet with a slate roof of a dangerous character, but the miners are well supplied with timber and the mine is properly timbered. The developments are on the double entry system ventilated by an eight-foot Thayer fan which gives fair results. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in fair condition. Oil used for illuminating purposes is of a fair quality. All powder is taken into the mine in five pound flasks. The management has recently built a powder magazine and furnished two metallic flasks for each miner. At the end of each day's work the empty flasks are left at the magazine where a man is employed to fill them and give out the full flasks each morning. The second opening meets with the requirements of law. Rules are posted at the mine; safety lamp and stretchers kept at hand.

This mine was reported last year as Big Otto No. 1, No. 489 of the printed report.

EDWARD SCHONEBAUM, Supt.

ANDREW UTT, Mine Boss.

No. 524. *Big Otto Mine No. 2.*—This is a drift mine located on Harmon's Creek and operated in connection with the Big Otto No. 1. It is a drift operating the Pittsburg Seam of coal which has a thickness of five and a half feet. The roof is slate of a dangerous character. The miners are well supplied with timber and the mine is properly timbered. The developments are on the double entry system. This mine has inside connection with the No. 1 Mine both being under the same system of ventilation. Cross cuts are regularly driven; mine doors and stoppings in fair condition.

This mine was reported last year in connection with No. 3 Mine as Big Otto Nos. 2 and 3, No. 490 of the printed report.

EDWARD SCHONEBAUM, Supt.

ROBERT FIELDS, Mine Boss.

No. 525. *Big Otto Mine No. 3.*—This is a drift mine located on Harmon's Creek and operated in connection with the Big Otto No. 1. It is a drift mine operating the Pittsburg Seam of coal which has a thickness of 5 1-2 feet. The roof is slate of a dangerous and treacherous character. The miners are well supplied with timber for propping and, as a rule, the mine is well timbered. Drainage fair. The mine is developed on the double entry system and ventilated by an eight-foot Thayer fan which furnishes sufficient air and the mine is properly ventilated. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in fair condition. The second opening meets with the requirements of law. Rules are posted at the mine and safety lamp and stretchers kept at hand.

This mine was reported last year as Big Otto Mine No. 3 in connection with No. 2, No. 490 of the printed report.

EDWARD SCHONEBAUM, Supt.

ROBERT FIELDS, Mine Boss.

BLACK BETSEY COAL AND MINING COMPANY.

P. O., BLACK BETSEY, W. VA.

No. 526. *Black Betsey Mine No. 1.*—This is a drift mine located at Black Betsey on the main line of the K. & M. Railroad, and operates the Pittsburg Seam of coal which has a thickness of five and a half feet with a slate roof of a dangerous character which requires careful attention to insure safety. The miners are well supplied with timber and, as a rule, the working places are properly timbered. The mine is developed on the double entry system and the ventilation is produced by a furnace and an eight-foot Thayer fan which furnish sufficient air when properly distributed. The ventilation was found to be deficient in some parts of the mine, this being due to neglect to have the doors properly attended. Cross cuts between entries and rooms are driven at the proper distances; mine doors and stoppings in fair condition only. Oil used for illuminating purposes is of a fair quality. The second opening is in first class condition. Rules are posted at the mine; safety lamp and stretchers kept on hand.

This mine was reported last year as Black Betsey Mine, No. 491 of the printed report.

LLOYD PARKINS, Supt.

J. W. HARGRAVES, Mine Boss.

No. 527. *Black Betsey Mine No. 2.*—This is a drift mine located at Black Betsey and operates the Pittsburg Seam of coal which has a thickness of five and a half feet. The roof is slate of a dangerous nature and requires careful attention to insure safety. The miners are well supplied with timber and, as a rule, the working places are properly timbered. The mine is developed on the double entry system and ventilated by an eight-foot Thayer fan which furnishes sufficient air and the mine is properly ventilated. The principal part of the mine is wet; drainage poor. Cross cuts between rooms and entries are driven at the proper distance; mine doors and stoppings in good condition. A small quantity

of explosive gas has recently been liberated at the faces of the third right and fourth left headings. This mine is operated in connection with Black Betsey Mine No. 1.

No report was made of this mine last year.

LLOYD PARKINS, Supt.

J. W. HARGRAVES, Mine Boss.

THE OAK FOREST COAL AND MINING COMPANY.

P. O., OAK FOREST, W. VA.

No. 528. *Oak Forest Mine.*—This is a slope mine located at Oak Forest on the south side of Kanawha River three miles north of Winfield, and operates the Pittsburg Seam of coal which has a thickness of from three and a half to four feet. The roof is slate and generally good. The mine is developed on the double entry system and ventilated by a ten-foot fan which furnishes sufficient air for the proper ventilation of the mine. Cross cuts between entries and rooms are regularly driven; mine doors and stoppings in good condition. The mine is properly timbered; drainage good. The oil used for illuminating purposes is of a fair quality. The second opening was found to be in fair condition, it being a shaft eighty feet in depth equipped with a wooden ladder. A safety lamp and stretchers are kept at hand, but no rules are posted at the mine.

This mine was reported last year as Oak Forest Mine, No. 492 of the printed report.

D. L. THOMAS, Supt.

WILLIAM THOMAS, Mine Boss.

ALPHA COAL MINING COMPANY.

P. O., PLYMOUTH, W. VA

No. 529. *Alpha Mine.*—This is a drift mine located one mile east of Plymouth on a branch line of the K. & M. Railroad. The Pittsburg Seam of coal is operated and varies in thickness from four and a half to five feet. The roof is slate of a dangerous character. The miners are well supplied with timber and the mine is properly timbered. Drainage fair. The developments are on the double entry system. Ventilation is produced by a ten-foot fan which furnishes sufficient air for the proper ventilation of the mine. With the exception of a few of the working places the cross cuts were regularly driven; mine doors and stoppings in fair condition. The second opening meets with the requirements of the law, but no rules are posted and no safety lamp or stretchers kept at hand. This mine was idle from March 1, 1906 until June 10, 1907, and at the present time employs but few persons.

This mine was reported last year as Alpha Mine, No. 493 of the printed report.

K. C. FISH AND

T. C. CARRUTHERS, Mine Boss.

ROBT. G. GILL, Supts.

FIFTH DISTRICT.

GENERAL SUMMARY OF THE FIFTH DISTRICT FOR THE YEAR ENDING JUNE 30, 1907.

COUNTY.	No of Openings	No Persons Killed	EMPLOYES.							Production of			
			Pick Miners	Inside.				Outside			Sum Total.	Coal (tons of 2,240 lbs.)	Coke (tons of 2,000 lbs.)
				Machine Runners & Helpers.	Laborers	Total.	Laborers.	Coke Workers.	Total				
Fayette (in part)...	100	127	3,77	16	218	1,737	6,246	998	505	1,503	7,749	4,882,798	404,791
Greenbrier.	1	1	2		5	25	6	6		6	30	31,978	.....
Kanawha	1	1		38	6	18	54	8		8	66	31,646	.....
Raleigh	23	7	1,00	38	12	424	1,482	219	....	219	1,701	1,104,676	.....
Totals	131	135	4,806	590	236	2,179	7,811	1,230	505	1,735	9,546	6,051,148	404,791

CONDITION OF THE MINES IN THE FIFTH DISTRICT.
As Reported upon by John I. Adelman, Mine Inspector, on Date of Last Inspection.

No.	County.	Name of Company	Name of Mine.	Recommendations made to
276	Fayette	Eureka Colliery Co.	Eureka No. 13	Ventilation main entry, obstructions in second opening
277	"	"	" No. 14	Drainage on haulways
278	"	St. Clair Colliery Co.	St. Clair No. 1	Loose slate on entries.
279	"	"	" No. 2	Second opening
280	"	Mecca Coal & Coke Co.	Mecca No. 2	Timbering on main entry.
281	"	"	" No. 5	Drainage.
282	"	The Carver Brothers Co.	No. 3	Timbering main entry, drainage, powder law
283	"	"	No. 4	Ventilation, timbering, gases, stoppings and doors.
284	"	"	No. 1	Drainage, timbering in rooms, stoppings.
285	"	"	Eagle	Drainage.
286	"	"	No. 5	Ventilation.
287	"	"	Diamond	Drainage
288	"	W. R. Johnson	Eagle No. 1	Drainage, breakthroughs
289	"	"	Gas No. 2	"
290	"	"	Splint No. 5	"
291	"	The Mt. Carbon Co. Ltd.	Vulcan & South	"
292	"	Great Kanawha Colliery Co.	Brewster.	"
293	"	"	Edwards.	"
294	"	"	Rhinolas.	"
295	"	Cardiff Coal Co.	Kimberly.	Ventilation in rooms, breakthroughs more frequent.
296	"	"	Columbia.	Stoppings to be made more substantial
297	"	"	Elk Ridge No. 1	Timbering, loose slate on haulways, sprinkling dusty places
298	"	"	No. 2	"
299	"	Loup Creek Colliery Co.	Ansted	"
300	"	"	Eagle	"
301	"	Fort Defiance Coal & Coke Co.	Fort Defiance.	"
302	"	Marrs Branch Coal Co.	Marrs Branch.	"
303	"	South Side Co.	South Side.	"
304	"	The Goshen Iron Co.	Eliverton.	Enforcement of powder and oil laws
305	"	The Low Moor Iron Co. of Va.	Kay Moor No. 1	Ventilation, timbering on entries
306	"	"	No. 2	Ventilation, 4th right entry, door on main entry below No. 1
307	"	Brown Coal Co.	Brown	Ventilation, drainage, enforcement of powder law.
308	"	New River Valley Coal Co.	Bachman	"
309	"	New River Collieries Co.	Quander No. 7	Ventilati
310	"	"	Brooklyn No. 4	Ventilati
311	"	"	Red Ash No. 5	Breakthru
312	"	"	Rush Run No. 4	"
313	"	"	Sun No. 1	"
314	"	"	" No. 2	Removal of old timber from room mouths, drainage main entry, a door on 4th right
315	"	"	" No. 3	Removal of old timbers.
316	"	"	Thurmond No. 1	Removal of old timbers
317	"	The Thurmond Coal Co.	"	Door on main entry to make fan effective

317	Fayette	The Thurmond Coal Co.	Thurmond No. 2	Ventilation, drainage, fan.
318	"	Stone Cliff Coal & Coke Co.	Stone Cliff	Ventilation, drainage, enforcement powder law.
319	"	Beechwood Coal & Coke Co.	Beechwood No. 1	Ventilation head of main entry, loose slate on haulways, observance of oil laws, stoppings not tight.
320	"	"	" No. 2	Drainage, timbering main entry in places, water standing on main entry.
321	"	Alaska Coal & Coke Co.	Alaska	Ventilation in advance work, drainage, timber at mouth of mine.
322	"	Ridgeview Coal Co.	Ridgeview	Stoppings, not tight.
323	"	Ephraim Creek Coal & Coke Co.	Buffalo	Ventilation.
324	"	Quinnimont Coal Co.	Big Q.	Ventilation irregular, fan to be installed.
325	"	Glendale Colliery Co.	Lick Branch	Drainage.
326	"	Laurel Creek Coal Co.	Glendale	Ventilation not reliable, drainage.
327	"	Export Coal Co.	Laurel	
328	"	Greenwood Coal Co.	Robins	Ventilation, observance of powder and oil law.
329	"	Hemlock Hollow Coal & Coke Co.	Greenwood	Drainage
330	"	New Riv. & Pocah'tas Cons. Coal Co.	Hemlock	
331	"	"	Layland No. 1.	
332	"	"	No. 2	
333	"	"	" No. 3	
334	"	"	B. No. 1	Ventilation, drainage, safety lamp.
335	"	"	Minden No. 2	Timbering main entry, stoppings rebuilt and repaired.
336	"	"	No. 3	Ventilation obstructed by falls, timbering, observance of powder and oil laws.
337	"	"	" No. 4	A few small feeders of gas.
338	"	"	" No. 5	Ventilation on 4th left, drainage, timbering in rooms.
339	"	Newlyn Coal Co.	Newlyn	Drainage.
340	"	Meadow Fork Coal Co.	Meadow Fork	Ventilation, drainage, second opening.
341	"	The Dungen Coal Co.	Dungen No. 1.	
342	"	Nichol Colliery Co.	No. 2	
343	"	McKell Coal & Coke Co.	Nichol	Repairing of leaky stoppings.
344	"	"	Derryhale	
345	"	"	Kilsyth	
346	"	Laura Mining Co.	Laura	Drainage.
347	"	The Star Coal & Coke Co.	Star	Gas, 19th left and main entry, stoppings, doors on left entry.
348	"	Harvey Coal & Coke Co.	Harvey No. 1.	
349	"	"	No. 2	
350	"	Prudence Coal Co.	Prudence	Timbering in some rooms.
351	"	"	Lyman	
352	"	"	Jones	
353	"	Collins Colliery Co.	Collins No. 1.	
354	"	"	No. 2	
355	"	White Oak Fuel Co.	Wingrove	
356	"	"	Scarbrough	
357	"	"	Whipple	
358	"	"	Carlisle	
359	"	"	Oakwood	Drainage, bonnets and safety catches on cages.
360	"	Stuart Colliery Co.	Parral	Sprinkling east right entry, not working over twenty men.
361	"	"	Stuart	Not working over twenty men.
362	"	"	Beech Creek	
363	"	Dunn Loop Coal & Coke Co.	Dunn Loop No. 1	

CONDITION OF THE MINES IN THE FIFTH DISTRICT.—Continued.
As Reported upon by John I. Absalom, Mine Inspector, on Date of Last Inspection.

No.	County.	Name of Company.	Name of Mine	Recommendations made as to
364	Fayette.....	Dunn Loop Coal & Coke Co.	Dunn Loop No 2	Obstructions in air course.
365	"	Macdonald	Macdonald	
366	"	Sugar Creek	Sugar Creek	
367	"	Sherwood	Sherwood	
368	"	The	Turkey Knob	Drainage, doors and stoppings to be repaired
369	"	Mt Hope	Mt Hope	
370	Greenbrier.....	Lost Flat	Lost Flat	
371	Raleigh.....	Royal	Royal	
372	"	Lanark	Lanark	Drainage, stretchers and blankets.
373	"	Recess Shaft	Recess Shaft	
374	"	Nos 1 & 2	Nos 1 & 2	
375	"	Raleigh Coal & Coke Co.	Raleigh No 3	
376	"	"	No 1	Man holes, main entry, oil law not observed, stretcher and blankets.
377	"	"	No 2	
378	"	"	No 4	
379	"	"	No 5	
380	"	The Wright Coal & Coke Co.	Wright	Observance of oil law.
381	"	"	Pack	Stretcher, Blankets and safety lamp.
382	"	Piney Coal & Coke Co.	Piney No 1	Gas room No 8 main entry, blankets and stretchers, bulletin board.
383	"	"	No 2	Ventilation, doors on 1st right entry, blankets and stretchers, observe powder law
384	"	"	No 3	Stretchers, blankets, safety lamp, observe powder and oil law, man-holes on main entry.
385	"	"	No 4	Doors and stoppings
386	"	Stonewall Coal & Coke Co.	Stonewall	Drainage, improvement to furnace stack.
387	"	"	Terry	Ventilation, 1st right entry, observance of powder and oil law.
388	"	"	Stonewall No 4	Observance of oil and powder law, doors, rules and breakthroughs.
389	"	McKell Coal & Coke Co.	Oswald	
390	"	"	Sidney	
391	"	"	Graham	
392	"	Blue Jay Coal & Lumber Co.	Blue Jay	Ventilation, drainage
393	"	Home Coal Co.	Lewis	
394	"	Beckley Coal & Coke Co.	Beckley	
395	"	Mahacott Coal & Coke Co.	Mahacott	
396	"	Oranberry Fuel Co.	Oranberry	Fan. Opening at outlet of fan.
397	"	"	Prosperity	
398	"	"	Skelton	
399	"	"	Sprague	
400	"	Price Hill Fuel Co.	Price Hill	

SIXTH DISTRICT.

GENERAL SUMMARY OF THE SIXTH DISTRICT FOR THE YEAR ENDING JUNE 30, 1907.

COUNTY.	No. of Openings.	No. Persons Killed.	EMPLOYEES.								Production of		
			Inside.				Outside.			Sum Totals.	Coal (tons of 2,240 lbs)	Coke (tons of 2,000 lbs)	
			Pick Miners.	Machine Miners.	Machine Runners & Helpers.	Laborers.	Total.	Laborers.	Coke Workers.				Total.
Fayette....	1	...	16	30	4	12	62	7	....	7	69	40,790	.....
Kanawha (in part)..	100	18	914	1,733	443	1,120	4,210	687	....	687	4,897	3,360,244	.....
Lincoln....	4	...	4	15	8	5	32	7	....	7	39	17,589	.....
Logan.....	18	5	128	482	104	233	947	133	....	133	1,080	740,607	.....
Mingo.....	48	4	615	784	259	641	2,299	325	....	325	2,624	1,867,100	.....
Raleigh....	1	...	12	....	....	8	15	2	....	2	17	....	.....
Wayne.....	1	...	20	....	....	6	35	2	....	2	37	25,217	.....
Totals.....	173	32	1,718	3,044	818	2,020	7,600	1,163	....	1,163	8,763	6,051,547	.....

OFFICE OF THE SIXTH DISTRICT MINE INSPECTOR.

Chelyan, W. Va., August 23, 1907.

MR. JAMES W. PAUL,

Chief of Department of Mines,

Charleston, W. Va.

Dear Sir:— In compliance with Sec. three of the Mining Law I herewith submit to you my annual report as Inspector of the Sixth Mining District of West Virginia, for the year ending June 30th, 1907.

During the year I made 251 regular inspections and 16 special visits, and am pleased to say that the general condition of the mines, throughout this district has been improved during the past year, but there is still room for improvement and I think it will be shown by the next annual report that a number of good things have been accomplished by the increased force of inspectors and the change in our mining laws which was enacted by the last legislature.

There were 22 fans installed in the various mines in this district during the past year, which goes to show that the operator is becoming to realize that good ventilation is one of the most essential things to a coal mine and especially at this age of the industry when a large portion of the work is done by modern machinery which consumes a large volume of air. During the year there were 33 persons prosecuted for violating the mining law, in this district, 26 in Kanawha county and 7 in Mingo county. They consisted of superintendents, mine bosses, contractors, timbermen, miners, drivers and trappers.

On March 14th, 1907, the Paint Creek Collieries Company was notified

that an injunction would be asked, to close their Grose Mine No. 2 until all dry and dusty parts of the mine could be properly watered and the coal mined in a practical manner, other than shooting it from the solid, and two weeks later the case was heard by Judge Burdette and the decree as taken from the record was as follows:

Bonner H. Hill, Mine Inspector, &c.,

vs.

Paint Creek Collieries Company, a Corporation.

} *In Chancery.*

This cause came on this day to be heard upon the Bill and the answer of the defendant and the general replication thereto, and upon the testimony taken therein, and upon the motion of the said defendant to dismiss the said Bill, and was argued by counsel.

Upon consideration whereof the Court is of the opinion that the matters arising in said Bill and for which an injunction was prayed, have all been adjusted by said defendant, and that there is now no cause for said injunction, that said Bill should be dismissed. It is therefore, adjudged, ordered and decreed that the said Bill be, and the same is hereby dismissed, but it further appearing from the evidence adduced in this cause, that the said defendant was at the time of the filing of the bill, amenable as charged in said Bill, it is therefore adjudged, ordered and decreed that the plaintiff do recover of the defendant his costs in his behalf expended, including an attorney's fee to F. L. Beardsley of \$15.00, as allowed by law.

A true copy from the record.

F. L. BEARDSLEY,

Attorney at Law.

Electric plants were installed at the following mines during the year: Hickory Camp, Grose, Wacomah, Wake Forest and Red Warrior. The Big Coal Company is putting in a large plant which they expect to have in operation in a few weeks. The Olcott Coal and Iron Company are also installing a large plant, which they expect to be operating in the near future. Compressed Air Plants were installed at the following mines: Rex, Logan, Ethel and Wilson.

This has been a very peaceable as well as prosperous year for both miner and operator, the car supply has been plentiful and prices good, but a scarcity of labor seems to exist throughout the entire district.

It is with a feeling of gratitude that I express my obligations for your wise counsel, and able advice and assistance, which has proven valuable to me in the discharge of my duties.

I also wish to express my appreciations to the miners and operators for their many courtesies and expressions of good will shown to me in my visits.

Very truly yours,

BONNER H. HILL,

Mine Inspector 6th District.

FAYETTE COUNTY.

PAINT CREEK COLLIERIES COMPANY.

No. 275. *Hickory Camp Mine.*—This mine is located on a branch of the C. & O. R. R., at Mahan, and on Paint Creek; is a drift opening operating

the Eagle or No. 1 Gas Coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. The coal is mined by electric machines. All powder is carried into the mine in cans of five pounds capacity. The roof is good. This mine is dry throughout which necessitates watering during the winter season to allay the dust, which has always been regularly done. The employes burn the oil sold them by the operating company, which is of a fair quality. The second opening to this mine meets all the requirements of the law. Rules are kept posted and stretchers and safety lamp are kept on hand. A map of the workings of this mine, dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Hickory Camp Mine, No. 331 of the printed report.

W. W. MUCKLOW, Gen. Mgr

R. F. TOWNSEND, Mine Boss.

JOHN STEWART, Supt.

KANAWHA COUNTY.

THE MARMET COAL COMPANY.

No. 410. *Butler Mine.*—This mine is located about four miles from Marmet on the West Virginia Southern R. R., and Lens Creek; is a drift opening operating the Winifrede Coal on the double entry system. The main entries to this mine are in very thin coal and the principal work consists of robbing. The ventilation produced by one furnace and a 7-foot Thayer fan is fairly good. Drainage at the faces is good but along the haulways is only fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is poor. Rules are kept posted and stretchers and safety lamp are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine to January 15th, 1907 has been furnished this office. With present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Butler mine No. 376 of the printed report.

R. T. PRICE, Gen. Mgr.

S. L. SELBY, Mine Boss.

J. W. STRAUGHAN, Supt.

No. 411. *Butler No. 2 Mine.*—This mine is located about four miles from Marmet on the West Virginia Southern R. R., and Lens Creek; is a drift opening operating the Lens Creek Coal on the double entry system. The ventilation produced by a 10-foot Thayer fan is good. The coal is mined by electric machines. The roof is bad but timbering is well looked after. All powder is carried into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company which is of a poor quality. Drainage is good.

The second opening to this mine is a door beside the fan and meets

the requirements of the law until a better opening can be made. A map of the workings of this mine has been furnished this office, dated April 6th, 1907. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

This is a new mine and began shipping coal during the year.

R. T. PRICE, Gen. Mgr.

J. W. SHEPHERD, Mine Boss.

J. W. STRAUGHAN, Supt.

No. 412. *Butler No. 5 Mine.*—This mine is located about four miles from Marmet on the West Virginia Southern R. R. and Lens Creek; is a drift opening operating the No. 5 coal. The cover over this seam at this point is very thin and the main entry is driven through the hill which gives a good ventilation from natural causes. The roof is good; drainage good.

All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. The second opening to this mine meets all the requirements of the law.

Rules are kept posted and stretchers and safety lamps are kept on hand.

With the present mine development and equipment and full force of men this mine is capable of producing 140 tons per day. This is a new mine and began shipping coal during the year.

R. T. PRICE, Gen. Mgr.

CHARLES SNODGRASS, Mine Boss.

J. W. STRAUGHAN, Supt.

BLACK BAND COAL AND COKE COMPANY.

Nos. 413, 414, 415 and 416. *Black Band Mines Nos. 1, 2, 3 and 5.*—These mines are located on Davis Creek and operated the Black Band coal, but during the year they were closed indefinitely.

These mines were reported last year as Black Band Mines Nos. 1, 2, 2½ and 3, Nos. 456, 457, 458 and 459 of the printed report. No. 2½ is now called No. 5.

A. D. EATHERLY, Supt.

C. F. SNODGRASS, Mine Boss, No. 1 Mine.

JOHN SONGER, Mine Boss, No. 2 Mine.

G. E. SANFORD, Mine Boss, No. 3 Mine.

PETE MOONEY, Mine Boss, No. 5 Mine.

THE OLCOTT COAL AND IRON COMPANY.

No. 417. *Mine No. 1.*—This mine is located on Brier Creek, a tributary of Coal River; is a drift opening operating the Black Band coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage is good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated November, 1906, has

been furnished this office. Several new openings are being made to this mine and a large up-to-date electric power plant is just installed and about ready for operation. With the present mine development and equipment and a full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Glenalice Mine, No. 464 of the printed report.

F. H. PALMER, Supt.

B. F. THORNE, Mine Boss.

No. 418. *Mine No. 2.*—This mine is located on Brier creek, a tributary of Coal River; is a drift opening the Black Band Coal on the double entry system. The ventilation produced by a furnace is fair. The roof in some parts of this mine is bad and dangerous but timbering is well looked after. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Olcott Mine No. 461 of the printed report.

F. H. PALMER, Supt.

C. E. GRIFFITH, Mine Boss.

DAVIS CREEK MINING CO.

No. 419. *Davis Creek Mine.*—This mine is located on Davis Creek and operated the Black Band coal. It has been idle all the year and as I understand has been abandoned.

This mine was reported last year as Davis Creek Mine, No. 466 of the printed report.

CANEY FORK COAL MINING CO.

No. 420. *Caney Fork Mine.*—This mine is located on Davis Creek and operates the Black Band coal.

This mine has been idle all the year and from the best information I could get it is abandoned.

This mine was reported last year as Caney Fork Mine, No. 465 of the printed report.

WINIFREDE COAL COMPANY.

No. 421. *Winifrede Gas Mine.*—This mine is located on Fields Creek: is a drift opening operating the Peerless coal. A few months ago this company decided to abandon this mine and moved the electric plant and other machinery to Belmont, and the work in this mine consists of drawing pillars and robbing the mine and it will only be a short time until the entire mine will be abandoned. The ventilation produced by natural causes is fairly good. Roof is good; drainage good. All powder is carried into the mine in cans of five pounds capacity. The employes burn

the oil sold them by the operating company. Rules are kept posted and stretchers and safety lamps are kept on hand.

With the present workings this mine is capable of producing about 60 tons per day. This mine was reported last year as Winifrede Gas Mine No. 377 of the printed report.

R. W. EDMUNDS, Supt.

JAS. BURNS, Mine Boss.

R. B. CASSADY, Gen. Mgr.

No. 422. *South Mine*.—This mine is located on Fields creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 10-foot Thayer fan has been greatly improved during the past year by an intake, which was made on the Coal River side of the mountain and shortens the distance the air must travel, to reach the working faces. In some parts of this mine the roof is bad and dangerous but is well looked after. The drainage along the haulways is bad and a ditch is now being made into some of the old workings which will drain a large portion of the mine, when complete. All powder is carried into the mine in cans of five pounds capacity. After the Superintendent, Mine Foreman and fourteen of the employes paid a fine for burning mixed oils, they concluded it cheaper to burn the oil sold by the operating company, which they are now doing.

The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

With the present mine equipment and development and full force of men this mine is capable of producing 700 tons per day.

This mine was reported last year as South Mine, No. 378 of the printed report.

R. W. EDMUNDS, Supt.

JOHN W. GAY, Mine Boss.

R. B. CASSADY, Gen. Mgr.

No. 423. *North Pick Mine*.—This mine is located on Fields Creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 10-foot Thayer fan has been greatly improved during the past year, by building new doors and stoppings, and if this new line of brattice is continued on to the working faces, with other improvements which are now being made, it is only a matter of a very short time until this old mine will be up to the standard and complying with the law in all respects. The roof is fairly good. Drainage good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality.

Rules are kept posted and stretchers and safety lamp are kept on hand.

The second opening to this mine meets all the requirements of the law. With the present mine development and equipmnt and full force of men this mine is capable of producing 375 tons per day. This mine was reported last year as North Pick Mine, No. 379 of the printed report.

R. W. EDMUNDS, Supt.

W. H. STUART, Mine Boss.

R. B. CASSADY, Gen. Mgr.

No. 424. *North Machine Mine*.—This mine is located on Fields creek; is a drift opening operating the Winifrede coal on the double entry system.

The principal part of the work in this mine consists of robbing and for that reason the ventilation produced by a 7-foot Thayer fan is only fairly well conducted to the working faces. The roof is good, drainage fair. All powder is carried into this mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as North Machine Mine, No. 380 of the printed report.

R. W. EDMUNDS, Supt.

W. H. STUART, Mine Boss.

R. B. CASSADY, Gen. Mgr.

No. 425. *West Mine*.—This mine is located on Fields Creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is fairly good. The roof is good. Drainage good.

All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. Rules are kept posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine, extended to May, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as West Mine, No. 381 of the printed report.

R. W. EDMUNDS, Supt.

JNO. S. WILLIAMS, Mine Boss.

R. B. CASSADY, Gen. Mgr.

MALCOLM COAL COMPANY.

No. 426. *Malcolm Mine*.—This mine is located at Winifrede Jct., on the C. & O. R. R.; is a drift opening operating the Peerless Coal on the double entry system. The ventilation produced by a furnace is not good but a 7-foot fan is ordered for this mine and will be installed on its arrival. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. This is a new mine and has only been shipping coal a short time.

With the present mine development and equipment and full force of men this mine is capable of producing 100 tons per day.

M. P. MALCOLM, Supt.

JAS. HEMMINGS, Mine Boss.

COALBURG COLLIERY COMPANY.

No. 427. *Ronda Mine*.—This mine is located three miles from Coalburg on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good except in a small portion of the mine known as No. 2, which is ventilated by natural causes and does not meet the requirements of the law, but at present this work is in a fault and if continued arrangements will be made at once for a better system of ventilation. It has been with much insistence on the part of the inspector that the operator and employes have complied with the law in regard to making break-throughs.

The roof in some sections of this mine is bad and dangerous but it is well timbered. Drainage at the faces is good, but along the haulways it is very bad. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality.

The second opening to this mine meets all the requirements of the law.

A map of the workings of this mine dated Sept. 28th, 1906, was furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This mine was reported last year as Ronda Mine, No. 382 of the printed report.

WM. DILS, Supt.

DAN MORRIS, Mine Boss.

J. B. LEWIS, Gen. Mgr.

DRY BRANCH COAL COMPANY.

No. 428. *Peerless or Dry Branch Mine No. 1*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., two miles from Coalburg; is a drift opening operating the Peerless coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is fairly good. This mine has liberated a small per cent of marsh gas, but there has always been sufficient ventilation to render it harmless. The roof in this mine is good but if there is not better care taken of the pillars there will be a creep over the mine in the near future. Drainage is good. All powder is carried into the mines in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated August 15, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day. This mine was reported last year as Peerless Mine, No. 387 of the printed report.

J. H. CARTER, Supt.

HENRY VOIERS, Mine Boss.

J. B. LEWIS, Gen. Mgr.

No. 429. *Belmont or Dry Branch Mine No. 2*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., two miles from Coalburg;

is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is fairly good but it has been with much insistence on the part of the inspector that breakthroughs be made according to law. In parts of the mine the roof is bad and dangerous but is well looked after. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality. Drainage is good. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated August 15, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This mine was reported last year as Belmont Mine, No. 388 of the printed report.

J. H. CARTER, Supt.

R. M. ODELL, Mine Boss.

J. B. LEWIS, Gen. Mgr.

No. 430. *Coalburg or Dry Branch Mine No. 3.*—This mine is located on the Cabin Creek branch of the C. & O. R. R., two miles from Coalburg, is a drift opening operating the Coalburg coal on the double entry system. At time of last inspection of this mine the ventilation was bad and the management was asked to stop operation until a furnace could be built and properly fired, which was promptly done. The roof is only fair, but timbering is well looked after. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. A second opening to this mine is being made and only ten men are now employed. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine extended to July 22, 1905, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 70 tons per day. This mine was reported last year as Coalburg Mine, No. 389 of the printed report.

J. H. CARTER, Supt.

R. M. ODELL, Mine Boss.

J. B. LEWIS, Gen. Mgr.

WYATT COAL COMPANY.

No. 431. *Oakley Mine.*—This mine is located near Fairfield on the Cabin Creek branch of the C. & O. R. R., is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good. Drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality. Stretchers and safety lamps are kept on hand. Rules are posted.

The second opening to this mine meets all the requirements of the law.

A map of the workings of this mine, dated January, 1906, was furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Oakley mine, No. 393 of the printed report.

WM. LAING, Supt.

J. L. PERFATER, Mine Boss.

JOHN LAING, Gen. Mgr.

No. 432. *Berlin Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. The roof is good and drainage is fairly good for the amount of water generated in the mine.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated February, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Climax Mine, No. 394 of the printed report.

JOHN LAING, Gen. Mgr.

J. P. MARTIN, Mine Boss.

DAVID EVANDOLL, Supt.

No. 433. *South or Horton Mine No. 2*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good when cross-cuts are made according to law. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is a poor quality.

The roof is good and drainage fairly good. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine, dated January 1906, was furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 440 tons per day. This mine was reported last year as Horton Mine No. 2 No. 396 of the printed report.

A. W. LAING, Supt.

JAS. RAISBECK, Mine Boss.

JOHN LAING, Gen. Mgr.

No. 434. *North or Horton Mine No. 1*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a fan is good. This mine caught fire from a defective furnace on Dec. 4th, 1905, and about four months later all entrances were closed and about the first of December 1906 the mine was opened and the fire was out, but the mine was very hot and it has taken considerable time for it to cool and for that reason very little work has been done during the past year except to move the slate and ashes from the roadways. The intense heat on the roof caused it to cave, in several places, to an extreme height.

but it is all being taken down or well timbered. In the near future this mine will be capable of producing 250 tons per day. This mine was reported last year as Horton No. 1 Mine, No. 395 of the printed report.

A. W. LAING, Supt.

JAS. RAISBECK, Mine Boss.

JOHN LAING, Gen. Mgr.

PERSINGER COAL COMPANY:

No. 435. *Wilton Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R., is a drift opening operating the Cedar Grove coal on the double entry system. The ventilation produced by a fan is good. The roof is good; drainage fairly good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company, which is of a fair quality. Rules are not posted nor stretchers or safety lamps kept at the mine, but the management promised to get them just as soon as they could be obtained. The management has made arrangements with the Wyatt Coal Company for electric power from their lines and the coal at this mine will be mined with the Sullivan Long Wall machine in the near future. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Wilton Mine, No. 397 of the printed report.

J. T. McALISTER, Supt.

C. H. McALISTER, Mine Boss.

WAKE FOREST MINING COMPANY.

No. 436. *Wake Forest Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is fairly good. The roof in some parts of the mine is bad but timbering is well looked after. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map of the workings of this mine dated, April 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Wake Forest Mine, No. 402 of the printed report.

J. C. GRYMES, Supt.

JESSE GARDINER, Mine Boss.

THE HOLLEY AND STEPHENSON COAL AND COKE COMPANY.

No. 437. *Holley and Stephenson No. 2*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good. Drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality.

Rules are not posted. Stretchers and safety lamps are kept on hand.

The second opening to this mine is a door beside the fan and meets the requirements of the law, until a better one can be made. A map of the workings of this mine dated Feb'y. 22nd, 1907 has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 375 tons per day. This mine was reported last year as Holley and Stephenson Mine No. 2, No. 403 of the printed report.

F. H. McCLUNG, Supt.

J. M. McDONOUGH, Mine Boss.

No. 438. *Holley and Stephenson Mine No. 5.*—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good when cross cuts are made according to law.

Overcasts are being put in this mine, which will afford a separate split of air for each pair of entries. Roof is good except in some parts of the mine there is a very heavy draw slate which must be taken down as the coal is taken out. Drainage is fairly good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are kept on hand. The second opening to this mine is a door beside the fan. A map showing the workings of this mine dated Feb'y. 23, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Holley and Stephenson Mine No. 5, No. 404 of the printed report.

F. H. McCLUNG, Supt.

J. C. EASTHAM, Mine Boss.

No. 439. *Holley and Stephenson Mine No. 1.*—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a fan is good. Roof is good, except a bad draw slate. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. Very little work has been done in this mine during the past year and at the close of the year only three men were employed inside the mine.

With present mine development and equipment and full force of men this mine is capable of producing 75 tons per day. This mine was reported last year as Holley and Stephenson Mine No. 1, No. 405 of the printed report.

F. H. McCLUNG, Supt.

FRANK CLENDENIN, Contractor.

HARRISON HALL, Mine Boss.

No. 440. *Holley and Stephenson Coalburg Mine.*—This mine was worked in connection with the No. 5 Mine but in the Coalburg coal, which got very thin and the entire mine was abandoned.

This mine was reported last year as Coalburg Mine, No. 406 of the printed report.

F. H. McCLUNG, Supt.

LA MONT MINING COMPANY

No. 441. *La Mont Mines Nos. 1 and 2.*—These mines are located on the Cabin Creek branch of the C. & O. R. R; are drift openings operating the No. 2 Gas coal.

Very little work has been done in these mines during the past year but preparations are now being made to resume work in the No. 2 Mine. The ventilation is produced by a 4-foot Thayer fan and is fairly good. Drainage good. Roof good.

These mines were reported last year as La Mont Mines Nos. 1 and 2, No. 410 of the printed report.

PAUL L. JAMES, Supt.

LOGAN LINVILLE, Mine Boss.

No. 442. *La Mont Mine No. 3.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the Lewiston coal on the double entry system. At time of last inspection of this mine the ventilation produced by a furnace and a 7-foot Thayer fan was not good owing to the bad condition of doors and stoppings. The management was notified to stop a part of the workings, until the mine could be put in condition so as to comply with the law, which was promptly done. All powder is taken into the mine in cans of five pounds capacity. The employes now, burn the oil sold by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, January 15, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 325 tons per day. This mine was reported last year as La Mont No. 3 Mine, No. 411 of the printed report.

PAUL L. JAMES, Supt.

W. T. GOSNAY, Mine Boss.

CARBON COAL COMPANY.

No. 443. *North Carbon Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Stine fan has always been found good. The roof is good. Drainage good. All powder is taken into this mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. Stretchers and safety lamp are kept on hand. Rules are posted. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, March 1907, has been furnished this office. Owing to a thick middle slate in the coal in this mine, it was thought at one time that the entire mine would be abandoned, but now the slate in the main entries is thin and the prospects are bright, for a good mine. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as North Mine, No. 413 of the printed report.

C. A. CABELL, Gen. Mgr.

J. T. BALDWIN, Mine Boss.

No. 444. *South Carbon Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by two 7-foot Stine fans is good. The roof is good. This mine is dry throughout which necessitates watering to allay the dust and I have always found that it was regularly done. All powder is carried into this mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality. Rules are kept posted; stretchers and and safety lamps are kept at the mine.

The second openings to this mine meets all the requirements of the law. A map showing the workings of this mine dated, March 1907, was furnished this office. The General Manager of this, as well as the Republic and West Virginia Companies, is a thorough up to date coal man, and is always ready to discuss and adopt any new plans or ideas which will promote the conditions of his mines or employes. With the present mine development and equipment and full force of men this mine is capable of producing 1000 tons per day. This mine was reported last year as South Mine, No. 412 of the printed report.

FRANK HOMAN, Supt.

LEE JENKINS, Mine Boss.

C. A. CABELL, Gen. Mgr.

No. 445. *No. 3 or Carbon Mine No. 5*.—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good except a bad draw slate, which is fairly well looked after. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, March 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as No. 5 Mine, No. 414 of the printed report.

FRANK HOMAN, Supt.

LEE JENKINS AND

C. A. CABELL, Gen. Mgr.

JAS. CALVERT, Mine Bosses.

REPUBLIC COAL COMPANY.

No. 446. *Republic Mine No. 1*.—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Stine fan is fairly good. Roof in some parts of this mine is very bad and dangerous, but timbering is well looked after. Drainage is good and in some sections of the mine it is dry and dusty which necessitates watering to allay the dust and I have always found it regularly done. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a fair quality. Rules are posted and stretchers and safety lamps are

kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, March 1907, was furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as No. 1 Mine, No. 415 of the printed report.

FRANK HOMAN, Supt.

OWEN MEADOWS, Mine Boss.

C. A. CABELL, Gen. Mgr.

No. 447. *Republic Mine No. 2.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a fan is good. Roof is good. This mine is dry throughout, which necessitates watering to allay the dust, which the management has instructions from the inspector to keep properly done. All powder is taken into the mine in cans of five pounds capacity. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, March 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as No. 2 Mine, No. 416 of the printed report.

FRANK HOMAN, Supt.

H. J. WILLS, Mine Boss.

C. A. CABELL, Gen. Mgr.

No. 448. *Republic Mine No. 3.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation is produced by a 7-foot Stine fan is good. Roof is good. This mine is dry and dusty throughout which necessitates watering to allay the dust, which instructions the management has from the inspector to keep properly done. All powder is carried into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a fair quality. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, March 1907, has been furnished this office. This mine was reported last year as Mine No. 3, No. 417 of the printed report.

With present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

FRANK HOMAN, Supt.

J. L. WINKLER, Mine Boss.

C. A. CABELL, Gen. Mgr.

WEST VIRGINIA COLLIERY COMPANY.

No. 449. *West Virginia Mine No. 1.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a ten-foot Thayer fan is fairly good. Roof is good. Drainage good. All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a fair

quality. Rules are posted and stretchers and safety lamps are kept on hand.

The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, March 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 800 tons per day.

This mine was reported last year as Mine No. 1, No. 418 of the printed report.

JOHN HOLMES Supt.

GEO. BUCKLE, Mine Boss.

C. A. CABELL, Gen. Mgr.

No. 450. *West Virginia Mine No. 2.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. This mine is ventilated by a 10-foot Stine fan, but at time of last inspection some of the machinery was broken and the fan was not in operation. There is a good volume of air going through the mine from natural causes but owing to the bad condition of doors and stoppings it does not reach the working places. The General Manager assured me that the doors and stoppings would be repaired and the fan put in operation at once. The roof in this mine is bad and dangerous and the management has been officially notified to see that proper timber is set and all loose hanging slate is taken down. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated, March 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as No. 2 Mine, No. 419 of the printed report.

K. D. QUARRIER, Supt.

D. F. WORKMAN, Mine Boss.

C. A. CABELL, Gen. Mgr.

No. 451. *West Virginia Mine No. 3.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the Coalburg coal on the double entry system. This is a new mine and will consist of several openings when completed. The ventilation is produced by natural causes but fans will be installed soon as practicable. Drainage is fairly good. Roof is good.

All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is not of a good quality. Rules are posted but stretchers and safety lamps are not kept at the mine.

With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as No. 3 Mine, No. 420 of the printed report.

K. D. QUARRIER, Supt.
C. A. CABELL, Gen. Mgr.

C. L. PETTY, Mine Boss.

No. 452. *West Virginia No. 4 Mine.*—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. This is a new mine and consists of five separate drifts, which are ventilated by natural causes. One or two fans will be installed soon as practicable. Some of the workings are going to the dip and generate water.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company, which is not of a good quality. Rules are posted but stretchers and safety lamps are not kept at the mine.

Began shipping coal July 1st, 1907, and with the present mine development and equipment and full force of men is capable of producing 100 tons per day. This mine was reported last year as No. 4 Mine, No. 420 of the printed report.

K. D. QUARRIER, Supt.
C. A. CABELL, Gen. Mgr.

ROBERT WALKER, Mine Boss.

CABIN CREEK CONSOLIDATED COAL COMPANY.

No. 453. *Acme Mine.*—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the Coalburg coal on the double entry system. This mine has not been in operation for the past three months but it is the intention of the company to resume work in the near future. The ventilation produced by on 8-foot Thayer fan was fairly good for the small number of men that were employed. Roof was good and drainage good. Rules were posted. A map of the workings of this mine dated, January 1, 1907, was furnished this office.

This mine was reported last year as Acme Mine, No. 383 of the printed report.

M. W. MURPHY, Supt.
M. T. DAVIS, Gen. Mgr.

C. E. FOSTER, Mine Boss.

No. 454. *Keystone Mine.*—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the the No. 2 Gas coal on the double entry system. The ventilation produced by a fan has always been found fairly good. In some sections of this mine it is dry and dusty and necessitates wetting to allay the dust, which is regularly done. Roof and drainage are good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, January 1907, was furnished this office. With the present mine development and equipment and full force of men

this mine is capable of producing 500 tons perday. This mine was reported last year as Keystone Mine No. 384 of the printed report.

M. W. MURPHY, Supt.

JOHN T. SCOTT, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 455. *Empire Mine*.—This mine is located at Acme on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Thayer fan has been much improved in the past few months and can be made better by moving the fan to a larger opening or increase the size of the present one, which the management assured me would be done. In some parts of the mine it is dry and dusty, which necessitates watering to allay the dust which has always been regularly done. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine dated, June 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Empire Mine No. 385 of the print-report.

M. W. MURPHY, Supt.

SUTTON STANLEY, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 456. *Buckeye Mine*.—This mine is located at Acme on the Cabin Creek brach of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. This is a new mine and has been shipping coal only a short time. The ventilation produced by natural causes is fairly good for the small number of men employed. It is the intention of the management to install a fan soon as practicable. This mine was opened in a break from the mountain and the roof is not good but it is well timbered. Drainage is fairly good. All powder is kept on the outside of the mine. The employes burn the oil sold them by the operating company which is of a poor quality.

With the present mine development and equipment and full force of men this mine is capable of producing 50 tons per day.

M. W. MURPHY, Supt.

W. S. HOLMES, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 457. *Shamrock Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the the double entry system. The ventilation produced by a fan is only fair owing to the bad condition of the doors and stoppings. Roof is good. Drainage fair.

All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. The second opening to this mine meets all the requirements of the law.

A map of the workings of this mine extended to June 1907, was furnished

this office. Rules are kept posted but stretchers and safety lamps are not kept at the mine. With the present mine development and equipment and full force of men this mine is capable of producing 600 tons per day. This mine was reported last year as Shamrock Mine, No. 386 of the printed report.

CHARLES HENDRIE, Supt.
M. T. DAVIS, Gen. Mgr.

J. A. BRAGG, Mine Boss.

No. 458. *Belleclare Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 10-foot Crawford and McCrimmon fan, is fairly good. Some parts of this mine are very dry and dusty, which necessitates watering to allay the dust, and I have always found it regularly done. The drainage is good. Roof is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality. Rules are kept posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine dated, May 1907, was furnished this office. The second opening to this mine meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Belleclare Mine, No. 390 of the printed report.

A. P. SHERER, Supt.
M. T. DAVIS, Gen. Mgr.

JOE FILKINS, Mine Boss.

No. 459. *Ruby Mine*.—This mine is located at Decota on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by natural causes is only fair but the management has promised to install a fan at this mine in the near future. Roof is good except a bad draw slate which generally comes down as the coal is taken from under it. Drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. Rules are kept posted and stretchers are kept at the mine but safety lamps are not at the mine. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated June 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day. This mine was reported last year as Ruby Mine, No. 391 of the printed report.

A. P. SHERER, Supt.
M. T. DAVIS, Gen. Mgr.

JOHN PETRY, Mine Boss.

No. 460. *Decota Mine*.—This mine is located at Decota on the Cabin Creek branch of the C. & O. R. R. This mine was idle all the year and from the best information I could get this company has abandoned it.

Was reported last year as Decota Mine, No. 392 of the printed report.
A. P. SHERER, Supt. M. T. DAVIS, Gen. Mgr.

No. 461. *Holly Mine*.—This mine is located near Leewood on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a fan is fairly good. Roof is good and drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine dated May 1907 has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This mine was reported last year as Holly Mine, No. 398 of the printed report.

H. L. FISHER, Supt.

JAMES TURNER AND

M. T. DAVIS, Gen. Mgr.

T. J. GOSNEY, Mine Bosses.

No. 462. *Quarrier Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is fairly good. In some parts of this mine the roof is bad but timbering is well looked after. The principal part of this mine is dry throughout which necessitates watering to allay the dust, which has been regularly done. All powder is taken into the in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine dated June 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 425 tons per day. This mine was reported last year as Quarrier Mine, No. 399 of the printed report.

H. L. FISHER, Supt.

J. W. BRANHAM, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 463. *Red Warrior Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is only fair owing to the bad condition of doors, stoppings and air ways. The roof is bad and dangerous but timbering is well looked after. Owing to the amount of water this mine generates, drainage is only fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map of the workings of this mine extended to June 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Red Warrior Mine, No. 400 of the printed report.

J. B. RAMAGE, Supt.

Wm. McBRIDE AND

M. T. DAVIS, Gen. Mgr.

J. W. GAY, Mine Bosses.

No. 464. *Cherokee Mine*.—This mine is located at Leewood on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an 8-foot Thayer fan does not comply with the law, owing to the bad condition of airways, doors and stoppings. The superintendent's attention was called to the deficiencies and he assured me that this mine would be put in condition so as to comply with the law, at once. All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a poor quality. Roof is fairly good; drainage is good at the faces but is poor along haulways. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

A map of the workings of this mine dated June 1907 has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year Cherokee Mine, No. 401 of the printed report.

J. B. RAMAGE, Supt.

J. G. VAUGHAN, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 465. *Davis Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by two fans is good. Roof is good. Drainage fairly good. All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a fair quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated June 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 325 tons per day. This mine was reported last year as Davis Mine, No. 407 of the printed report.

ROBERT E. THOMPSON, Supt.

ROBERT E. THOMPSON, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 466. *Caledonia Mine*.—This mine is located near Leewood on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a fan is good. The roof in some parts of this mine is bad and dangerous but it is well timbered and all loose slate is promptly taken down. Drainage is fairly good. All powder is taken into the mine in cans of five pounds capacity. The employees burn the oil sold them by the operating company, which is of a poor quality. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated, May 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Caledonia Mine, No. 408 of the printed report.

J. B. RAMAGE, Supt.

ALEX STOVER, Mine Boss

M. T. DAVIS, Gen. Mgr.

No. 467. *Thistle Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by a 10-foot Thayer fan is good. This mine is dry and in some parts is dusty, which necessitates watering to allay the dust and I have always found it regularly done. The roof is good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality. Stretchers and safety lamps are kept on hand. Rules are posted. The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated June 13, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This mine was reported last year as Thistle Mine, No. 409 of the printed report.

CHARLES HENDRIE, Supt.

M. DARBY, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 468. *Rose Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by two furnaces is good when cross cuts are made according to law. Roof is good. Drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is a poor quality. Rules are posted but stretchers and safety lamps are not kept on hand.

A map showing the workings of this mine dated January 31st, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day.

This mine was reported last year as Royal Splint Mine, No. 425 of the printed report.

CHARLES HENDRIE, Supt.

Wm. HOLMES, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 469. *Raccoon Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by 10-foot and 6-foot Thayer fans is good. The roof in some parts of this mine is bad and dangerous but timbering is well looked after. Drainage is fair.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company, which is of a poor quality. Rules are posted and stretchers and safety lamps are kept near the mine.

The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine, dated June 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This

mine was reported last year as Raccoon Fork Mine, No. 421 of the printed report.

CHARLES HENDRIE, Supt.

D. R. JOHNSON, Mine Foreman.

M. T. DAVIS, Gen. Mgr.

No. 470. *United Gas Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation, produced by a 7-foot Thayer fan, does not comply with the law, but new air ways are being made and a larger fan will be installed as soon as possible.

The roof in this mine is very bad and dangerous but timbering is well looked after. Drainage is fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company which is of a poor quality. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

A map showing the workings of this mine dated June, 1907, has been filed at this office.

With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day.

This mine was reported last year as United Gas Mine, No. 422 of the printed report.

A. P. SHERER, Supt.

G. L. MORAN, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 471. *United Splint Mine*.—This mine is located on the Cabin Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a furnace is good in one side of the mine but poor in the other, to the extent that the company was notified by the inspector to stop all work except two places which were being driven for air. Drainage is good. Roof is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company which is of a poor quality. Rules are not posted nor stretchers and safety lamps kept at the mine.

This is a new mine and began shipping coal during the past year and with the present mine development and equipment and full force of men this mine is capable of producing 125 tons per day.

This mine was reported last year as United Splint Mine, No. 423 of the printed report.

A. P. SHERER, Supt.

D. S. HOLMES, Mine Boss.

M. T. DAVIS, Gen. Mgr.

No. 472. *Kayford Mine*.—This mine is located at Kayford on the Cabin Creek branch of the C. & O. R. R.; are drift and slope openings operating the No. 2 Gas coal on the double and triple entry system. The ventilation produced by two fans is fair. Some parts of this mine are very dry and dusty which necessitates watering to allay the dust, which the management has been notified by the inspector to keep regularly done.

Drainage is good. Roof good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine, dated June, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 850 tons per day. This mine was reported last year as Cabin Creek Mine, No. 424 of the printed report.

CHARLES HENDRIE, Supt.

EDWARD BARRASS, Mine Boss.

M. T. DAVIS, Gen. Mgr.

COALBURG-KANAWHA COAL COMPANY.

No. 473. *Klondike Mine*.—This mine is located at Coalburg on the C. & O. R. R.; is a drift opening operating the Cedar Grove coal on the double entry system. The ventilation produced by a furnace was fair.

Drainage and roof were good.

All powder was taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules were posted and stretchers and safety lamps were kept on hand. The second opening to this mine met all the requirements of the law. A map showing the workings of the mine dated August, 1906, was furnished this office.

This mine has been idle for the past three months and I could not learn when it would resume operation.

This mine was reported last year as Klondike Mine, No. 426 of the printed report.

J. A. WILLIS, Supt.

JOHN CARY, Mine Boss.

No. 474. *No. 5 Mine*.—This mine is located at Coalburg on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. Owing to the amount of water generated in the mine the drainage is bad. The roof in this mine is bad and dangerous, but timbering is well looked after. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated August, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 240 tons per day. This mine was reported last year as No. 5 Mine, No. 427 of the printed report.

J. A. WILLIS, Supt.

JOHN BURGRAPH, Mine Boss.

No. 475. *No. 6 Mine*.—This mine is operated in connection with the No. 5 mine, but in the No. 5 coal, and consists of four entries which are being driven to test the seam of coal.

The ventilation produced by natural causes is fair. Drainage fair and roof good. This is a new mine and has only been shipping coal a very short time.

J. A. WILLIS, Supt.

T. F. NEYLAN, Mine Boss.

No. 476. *Lewiston or Blue Hole Mine.*—This mine is worked in connection with the No. 5 mine but has been idle almost the entire year and it could not be learned when it would resume operation. This mine was reported last year as Bule Hole Mine, No. 428 of the printed report.

J. A. WILLIS, Supt.

JOHN BURGRAPH, Mine Boss.

BELMONT COAL COMPANY.

No. 477. *Lewiston Mine.*—This mine is operated in connection with the New Coalburg mine and the work consists of a very few men robbing the mine; is a drift opening operating the Lewiston coal.

The ventilation produced by an 8-foot Thayer fan is fair.

The roof is good and sufficient timber is furnished the miners. Drainage is fair. All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. A map of the workings of this mine dated December, 1906, was furnished this office.

With the present workings and full force of men this mine is capable of producing 75 tons per day.

This mine was reported last year as Lewiston Mine No. 429 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

No. 478. *Coalburg or Belmont Mine No. 3.*—This mine is located at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by natural causes is fair.

The work consists of robbing. The roof is fair and sufficient timber is furnished the mines. The drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

A map showing the workings of this mine dated December, 1906, was furnished this office. With the present workings and a full force of men this mine is capable of producing 100 tons per day. This mine was reported last year as Belmont Mine No. 3, No. 430 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

No. 479. *New Coalburg Mine.*—This mine is located on the head waters of Dry Branch, and its products are handled over a tipple at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. The roof is good. Drainage fair.

All powder is carried into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated December, 1906, has been fur-

Drainage is good. Roof good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company which is of a poor quality. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine, dated June, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 850 tons per day. This mine was reported last year as Cabin Creek Mine, No. 424 of the printed report.

CHARLES HENDRIE, Supt.

EDWARD BARRASS, Mine Boss.

M. T. DAVIS, Gen. Mgr.

COALBURG-KANAWHA COAL COMPANY.

No. 473. *Klondike Mine*.—This mine is located at Coalburg on the C. & O. R. R.; is a drift opening operating the Cedar Grove coal on the double entry system. The ventilation produced by a furnace was fair.

Drainage and roof were good.

All powder was taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules were posted and stretchers and safety lamps were kept on hand. The second opening to this mine met all the requirements of the law. A map showing the workings of the mine dated August, 1906, was furnished this office.

This mine has been idle for the past three months and I could not learn when it would resume operation.

This mine was reported last year as Klondike Mine, No. 426 of the printed report.

J. A. WILLIS, Supt.

JOHN CARY, Mine Boss.

No. 474. *No. 5 Mine*.—This mine is located at Coalburg on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. Owing to the amount of water generated in the mine the drainage is bad. The roof in this mine is bad and dangerous, but timbering is well looked after. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated August, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 240 tons per day. This mine was reported last year as No. 5 Mine, No. 427 of the printed report.

J. A. WILLIS, Supt.

JOHN BURGRAPH, Mine Boss.

No. 475. *No. 6 Mine*.—This mine is operated in connection with the No. 5 mine, but in the No. 5 coal, and consists of four entries which are being driven to test the seam of coal.

The ventilation produced by natural causes is fair. Drainage fair and roof good. This is a new mine and has only been shipping coal a very short time.

J. A. WILLIS, Supt.

T. F. NEYLAN, Mine Boss.

No. 476. *Lewiston or Blue Hole Mine*.—This mine is worked in connection with the No. 5 mine but has been idle almost the entire year and it could not be learned when it would resume operation. This mine was reported last year as Bule Hole Mine, No. 428 of the printed report.

J. A. WILLIS, Supt.

JOHN BURGRAPH, Mine Boss.

BELMONT COAL COMPANY.

No. 477. *Lewiston Mine*.—This mine is operated in connection with the New Coalburg mine and the work consists of a very few men robbing the mine; is a drift opening operating the Lewiston coal.

The ventilation produced by an 8-foot Thayer fan is fair.

The roof is good and sufficient timber is furnished the miners. Drainage is fair. All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. A map of the workings of this mine dated December, 1906, was furnished this office.

With the present workings and full force of men this mine is capable of producing 75 tons per day.

This mine was reported last year as Lewiston Mine No. 429 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

No. 478. *Coalburg or Belmont Mine No. 3*.—This mine is located at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by natural causes is fair.

The work consists of robbing. The roof is fair and sufficient timber is furnished the mines. The drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

A map showing the workings of this mine dated December, 1906, was furnished this office. With the present workings and a full force of men this mine is capable of producing 100 tons per day. This mine was reported last year as Belmont Mine No. 3, No. 430 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

No. 479. *New Coalburg Mine*.—This mine is located on the head waters of Dry Branch, and its products are handled over a tipple at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. The roof is good. Drainage fair.

All powder is carried into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated December, 1906, has been fur-

nished this office. With the present development and equipment and full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as New Coalburg Mine, No. 431 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

EQUITABLE COAL COMPANY.

No. 480. *No. 8 or Coalburg Mine.*—This mine is located at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system.

The ventilation produced by a 7-foot Thayer fan is fair when doors and stoppings are kept in repair. Roof is fair. Drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are now kept on hand. The second opening to this mine meets all the requirements of the law. A map of this mine showing all the workings to October, 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Equitable No. 5 Mine, No. 432 of the printed report.

G. W. BROWN and E. S. BREWER, Supts. HARRY CONWAY, Mine Boss.

SOUTHWESTERN SPLINT FUEL COMPANY.

No. 481. *Black Cat Mine.*—This mine is located near Crown Hill on the C. & O. R. R.; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by a fan set inside the mine is fair. The roof is fair; drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law.

A map of this mine showing all the workings to November 17, 1906, has been furnished this office. With the present development and equipment and full force of men this mine is capable of producing 210 tons per day. This mine was reported last year as Black Cat Mine, No. 433 of the printed report.

W. E. DIAL, Supt.

DAN HUDNALL, Mine Boss.

PAINT CREEK COLLIERIES COMPANY.

No. 482. *Reynolds Mine.*—This mine is located on Brier Creek, a tributary of Coal River; is a drift opening, operating the Black Band coal on the double entry system. The ventilation produced by a furnace is not good but a fan has been ordered for this mine.

Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the

law. A map showing the workings of this mine dated April, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day. This mine was reported last year as Reynolds Mine, No. 462 of the printed report.

J. R. MUCKLOW, Supt.

WM. CLENDENIN, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 483. *Knickerbocker Mine*.—This mine is located on Brier creek, a tributary of Coal River; is a drift opening, operating the Black Band coal on the double entry system. The ventilation, produced by three furnaces is good. The roof in some parts of this mine is bad but timbering is well looked after. Drainage is good.

All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Knickerbocker Mine, No. 463 of the printed report.

J. R. MUCKLOW, Supt.

THOS. YOUNG, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 484. *Scranton Mine*.—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 10-foot Crawford and McCrimmon fan has always been found good. The roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 700 tons per day. This mine was reported last year as Scranton Splint mine, No. 434 of the printed report.

JOHN GREENE, Supt.

JOHN COX, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 485. *Paint Creek Mine*.—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening, operating the Coalburg coal on the double entry system. The ventilation, produced by a 10-foot Thayer fan has been found to be good. The roof in some parts of this mine is bad and dangerous but timbering is well looked after. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Drainage along some of the haulways is bad but it is good at the faces.

nished this office. With the present development and equipment and full force of men this mine is capable of producing 450 tons per day.

This mine was reported last year as New Coalburg Mine, No. 431 of the printed report.

E. M. McCONIHAY, Supt.

EDWARD HOPE, Mine Boss.

EQUITABLE COAL COMPANY.

No. 480. *No. 8 or Coalburg Mine.*—This mine is located at Crown Hill on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system.

The ventilation produced by a 7-foot Thayer fan is fair when doors and stoppings are kept in repair. Roof is fair. Drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are now kept on hand. The second opening to this mine meets all the requirements of the law. A map of this mine showing all the workings to October, 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Equitable No. 5 Mine, No. 432 of the printed report.

G. W. BROWN and E. S. BREWER, Supts. HARRY CONWAY, Mine Boss.

SOUTHWESTERN SPLINT FUEL COMPANY.

No. 481. *Black Cat Mine.*—This mine is located near Crown Hill on the C. & O. R. R.; is a drift opening operating the Lewiston coal on the double entry system. The ventilation produced by a fan set inside the mine is fair. The roof is fair; drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law.

A map of this mine showing all the workings to November 17, 1906, has been furnished this office. With the present development and equipment and full force of men this mine is capable of producing 210 tons per day. This mine was reported last year as Black Cat Mine, No. 433 of the printed report.

W. E. DIAL, Supt.

DAN HUDNALL, Mine Boss.

PAINT CREEK COLLIERIES COMPANY.

No. 482. *Reynolds Mine.*—This mine is located on Brier Creek, a tributary of Coal River; is a drift opening, operating the Black Band coal on the double entry system. The ventilation produced by a furnace is not good but a fan has been ordered for this mine.

Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the

law. A map showing the workings of this mine dated April, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day. This mine was reported last year as Reynolds Mine, No. 462 of the printed report.

J. R. MUCKLOW, Supt.

WM. CLENDENIN, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 483. *Knickerbocker Mine*.—This mine is located on Brier creek, a tributary of Coal River; is a drift opening, operating the Black Band coal on the double entry system. The ventilation, produced by three furnaces is good. The roof in some parts of this mine is bad but timbering is well looked after. Drainage is good.

All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Knickerbocker Mine, No. 463 of the printed report.

J. R. MUCKLOW, Supt.

THOS. YOUNG, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 484. *Scranton Mine*.—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by a 10-foot Crawford and McCrimmon fan has always been found good. The roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 700 tons per day. This mine was reported last year as Scranton Splint mine, No. 434 of the printed report.

JOHN GREENE, Supt.

JOHN COX, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 485. *Paint Creek Mine*.—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening, operating the Coalburg coal on the double entry system. The ventilation, produced by a 10-foot Thayer fan has been found to be good. The roof in some parts of this mine is bad and dangerous but timbering is well looked after. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Drainage along some of the haulways is bad but it is good at the faces.

The second opening to this mine meets all the requirements of the law. A map of the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 800 tons per day.

This mine was reported last year as Paint Creek Mine, No. 435 of the printed report.

JOHN GREENE, Supt.

THOMAS BURKE, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 486. *Grose Mine No. 1.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening, operating the No. 1 or Eagle coal on the double entry system. The ventilation, produced by two furnaces is good. Parts of this mine are dry, which necessitates watering to allay the dust and the management has been notified by the inspector to keep it properly done. The roof is good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company. A map of the workings of this mine dated April, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Grose No. 1 Mine, No. 436 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

JAMES JACKSON and J. W. RHODES, Mine Bosses.

No. 487. *Grose Mine No. 2.*—This mine is worked in connection with the Grose Mine No. 1; is a drift opening, operating the Powellton coal on the double entry system. The ventilation produced by a furnace is good. The roof is good. The mine is dry throughout which necessitates watering to allay the dust which the management has been notified to keep properly done. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted. A map showing the workings of this mine, dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Grose No. 2 Mine, No. 437 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

J. W. RHODES, Mine Boss.

No. 488. *Greenbrier Mine No. 2.*—This mine is located on the Paint creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by an 8-foot fan is good. The roof is good. Parts of this mine are very dry and dusty, which necessitates watering to allay the dust which the management has been notified to keep properly done. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets

all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine equipment and development and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Greenbrier No. 2 Mine, No. 438 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

P. T. BERRY, Mine Boss.

No. 489. *Greenbrier Mine No. 3.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold by the operating company. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day.

This mine was reported last year as Greenbrier mine No. 3, No. 439 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

P. T. BERRY and LEE PATRICK, Mine Bosses.

No. 490. *Wacomah Mine.*—This mine is located on the Paint Creek Branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good. Owing to the amount of water liberated in the mine, drainage is not good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine extended to April, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day. This mine was reported last year as Wacomah Mine, No. 440 of the printed report.

JOHN GREENE, Supt.

HARRY JOHNSON, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 491. *Detroit Mine No. 1.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 1 or Eagle Coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. The roof is good. This mine is dry throughout and a pipe line is laid through the mine to water the dry and dusty parts and allay the accumulation of dust. The coal in this mine is mined with air machines. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening is a door beside the fan and answers in that

capacity until a better one can be made. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated April 1907, has been furnished this office.

This mine was reported last year as Detroit No. 1 mine, No. 446 of the printed report.

With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

FLOYD DILLON and ELBIN CARROW, Mine Bosses.

No. 492. *Morton Mine No. 1.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 1 Gas or Eagle coal on the double entry system. The ventilation produced by two furnaces is not good and the management was notified to install a better system. The roof in parts of this mine is very bad and dangerous but timbering is well looked after. Drainage is fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Morton No. 1 Mine, No. 441 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

ELBIN CARROW, Mine Boss

No. 493. *Nuckolls Mine.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system. The ventilation produced by furnaces is not good and the management has been notified to install a better system. Roof is good.

This mine is dry throughout, which necessitates watering to allay the dust, and the management has been notified to keep it properly done. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamp are kept on hand. The second opening to this mine meets all the requirements of the law. A map of this mine showing all workings to April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Nuckolls Mine, No. 443 of the printed report.

JOHN STEWART and C. W. ROGERS, Supts.

W. W. MUCKLOW, Gen. Mgr.

DAN KELLY, Mine Boss.

No. 494. *Banner Mine No. 1.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation is produced by an 8-foot Thayer fan and is good. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 450 tons per day. This mine was reported last year as Banner No. 1 Mine, No. 444 of the printed report.

JOHN GREENE, Supt.

D. L. WATERS, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

No. 495. *Banner Mine No. 2.*—This mine is located on the Paint Creek branch of the C. & O. R. R., and worked in connection with the No. 1 Mine; is a drift opening and operates the Lewiston coal on the double entry system. The ventilation produced by a furnace is fair. The roof in some parts of this mine is not good but timbering is well looked after. Drainage is good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. At time of last inspection of this mine a second opening was being made and 20 men were not working inside the mine. A map of this mine showing the workings to April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Banner No. 2 Mine, No. 445 of the printed report.

JOHN GREENE, Supt.

D. L. WATERS, Mine Boss.

W. W. MUCKLOW, Gen. Mgr.

STANDARD SPLINT AND GAS COAL COMPANY.

No. 496. *Standard Mine.*—This mine is located on the Paint creek branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by an 8-foot Stine fan is good. The roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand.

The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 800 tons per day. This mine was reported last year as Standard Mine, No. 448 of the printed report.

J. A. STRAUGHAN, Supt.

EDWARD FOSTER, Mine Boss.

W. S. WOOD, Gen. Mgr.

IMPERIAL COLLIERY COMPANY.

No. 497. *Imperial Mine No. 1.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 1 Gas or Eagle coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is fair. The roof in this mine is bad and dangerous but timbering is well looked after. Drainage is fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated April 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as No. 1 Mine, No. 449 of the printed report.

QUINN MORTON, Supt.

THOS. SEACRIST, Mine Boss.

No. 498. *Imperial Mine No. 2.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 1 Gas or Eagle coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is fair. Roof is good. Owing to the amount of water liberated in this mine drainage is not good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as No. 2 mine, No. 450 of the printed report.

QUINN MORTON, Supt.

CLAYTON CRICKMER and C. B. JOHNSON, Mine Bosses.

No. 499. *Imperial Mine No. 3.*—This mine is located on the Paint Creek branch of the C. & O. R. R.; is a drift opening operating the No. 1 Gas or Eagle coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good; drainage good.

All powder is carried into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated April, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 225 tons per day. This mine was reported last year as No. 3 Mine, No. 451 of the printed report.

QUINN MORTON, Supt.

H. G. HOWELL, Mine Boss.

CHESAPEAKE MINING COMPANY.

No. 500. *Chesapeake Mine No. 1.*—This mine is located near Handley

on the C. & O. R. R.; is a drift opening operating the Kanawha coal on the double entry system.

The ventilation produced by a 10-foot Thayer fan was not good at time of last inspection and management was notified to put the mine in such condition that it would comply with the law.

The roof is fair and drainage good.

All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand.

The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine, dated October 10, 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day. This mine was reported last year as Chesapeake No. 1 Mine, No. 452 of the printed report.

R. C. LEWIS, Supt

ALEXANDER THOMPSON, Mine Boss.

J. B. LEWIS, Gen. Mgr.

No. 501. *Chesapeake Mine No. 2.*—This mine is located at Handley on the C. & O. R. R.; is a drift opening operating the No. 2 Gas coal on the double entry system.

The ventilation produced by an 8-foot Thayer fan is fair. A very small per cent. of marsh gas was found at some of the advance headings. but is kept clear by a good circulation of air. The roof in this mine is good. Drainage at the faces is good, but along some of the haulways is bad. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules were posted and stretchers and safety lamps on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated Nov. 15, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

This mine was reported last year as Chesapeake No. 2 Mine, No. 453 of the printed report.

R. C. LEWIS, Supt.

GEO. WALKER, Mine Boss.

J. B. LEWIS, Gen. Mgr.

No. 502. *Chesapeake Mine No. 3.*—This mine is located at Handley on the C. & O. R. R.; is a drift opening operating the Coalburg coal on the double entry system. The ventilation produced by four temporary furnaces is not good and the management was notified to install a better system. The roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted nor stretchers or safety lamps kept at the mine. This mine consists of several openings. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Chesapeake No. 3 Mine, No. 454 of the printed report.

R. C. LEWIS, Supt.

GEO. WALKER, Mine Boss.

J. B. LEWIS, Gen. Mgr.

MONTGOMERY COAL COMPANY.

No. 503. *Kanaucha or Montgomery Mine.*—This mine is located near Handley on the C. & O. R. R.; is a drift opening and operating the Kanaucha coal on the double entry system. The ventilation produced by two fans, one 7-foot and one four foot, is fair. The roof is good; drainage good. Ali powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Rules are posted and stretchers and safety lamp are kept on hand.

The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine to May, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 300 tons per day. This mine was reported last year as Montgomery Mine, No. 455 of the printed report.

S. H. MONTGOMERY, Supt.

S. P. JOHNSON, Mine Boss.

RALEIGH COUNTY.**BIG COAL COMPANY.**

No. 531. *Dorothy Mine.*—This mine is located near Lawson on a branch of the C. & O. R. R.; is a drift opening operating the Coalburg coal on the triple entry system. The ventilation produced by a furnace is fair. Drainage fair. Roof is good.

The second opening to this mine meets all the requirements of the law.

This is a new mine and will not be ready to ship coal before November, 1907.

CHARLES E. SANDBERG, Supt.

ROBT. KIRK, Mine Boss.

LINCOLN COUNTY.**ROCHESTER COAL COMPANY.**

No. 561. *Rochester Mine.*—This mine is located on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Kanawha coal on the double entry system.

The ventilation produced by natural causes was fair. Drainage good; roof good. Very little work has been done at this mine during the past year and at time of last inspection only four men were employed inside the mine.

This mine was reported last year as Rochester Mine No. 520 of the printed report.

P. H. GRELLE, Supt.

CHARLES ESTEP, Mine Boss.

BRANCHLAND COAL COMPANY.

No. 562. *Lincoln No. 1 Mine.*—This mine is located on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Kanawha

coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated December, 1903, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day. This mine was reported last year as Lincoln No. 1 Mine, No. 521 of the printed report.

J. W. LOCKWOOD and G. W. COYLE, Supts.

LON REEVES, Mine Boss.

No. 563. *Brown City Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R.; is a drift opening and operates the Kanawha coal. This mine has been idle during the entire past year.

J. W. LOCKWOOD and G. W. COYLE, Supts.

EDEN PARK COAL COMPANY.

No. 564. *Eden Park Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R.; is a drift opening and operates the Kanawha coal.

This mine has been idle the entire past year. Was reported last year as Eden Park Mine, No. 523 of the printed report.

F. D. CALDWELL, Pres.

LOGAN COUNTY.

THE MONITOR COAL AND COKE COMPANY.

No. 565. *Monitor No. 1 and Beechwood Mine*.—This mine is located on Island Creek near Logan; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by two Stine fans is good. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated January 8th, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 500 tons per day. This mine was reported last year as Monitor and Beechwood Mine, No. 524 of the printed report.

J. E. BARLOW, Supt.

E. M. STEPHENS, Mine Boss.

GAY COAL AND COKE COMPANY.

No. 566. *Gay Mine*.—This mine is located on Island Creek, near Logan; is a drift opening operating the Winifrede coal on the Long-wall system. The ventilation produced by a fan is good. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated March 6th, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Gay Mine, No. 525 of the printed report.

H. S. GAY, Supt.

FRED KELLERMAN, Mine Boss.

DRAPER COAL AND COKE COMPANY.

No. 567. *Draper Mine*.—This mine is located at Logan on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January 22, 1907, has been furnished this office.

With the present mine development and equipment and full force of this mine is capable of producing 300 tons per day. This mine was reported last year as Draper Mine, No. 526 of the printed report.

F. S. LEE, Supt.

JOHN STEPHENS, Mine Boss.

BIG CREEK COAL COMPANY.

No. 568. *Big Creek Mine*.—This mine is located on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Kanawha coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamp are kept on hand. A map showing the workings of this mine, dated September, 1906, was furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 275 tons per day. This mine was reported last year as Big Creek Mine, No. 527 of the printed report.

W. T. OLIVER, Supt.

JOHN EARLY, Mine Boss.

UNITED STATES COAL AND OIL COMPANY.

No. 569. *Island Creek Mine No. 1*.—This mine is located on Island creek four miles from Logan; is a drift opening operating the Winifrede coal on the double and triple entry systems. The ventilation produced by a Stine fan is fair, and a 13½ ft. x 7 ft. Clifford fan is on the ground and will be installed as soon as possible. A very small per cent. of gas has been found in the advance headings but is kept clear by a good cur-

rent of air. Roof is good; drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept at the mine. A map showing the workings of this mine dated June, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 1400 tons per day. This mine was reported last year as Island creek No. 1 Mine, No. 528 of the printed report.

PAUL HARDY, Supt.

J. M. MOORE, Mine Boss.

JAS. C. BEBEE, Gen. Mgr.

HIRAM BISHOP, Fire Boss.

No. 570. *Island Creek Mine No. 2.*—This mine is located on Island creek four miles from Logan; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 10-foot Stine fan is fair, and a 13½ ft. x 7 ft. Clifford fan is now being installed.

Roof is good; drainage is good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1906, has been furnished this office.

The management of this company are up to date coal men and keep their mines in excellent condition as well as comply with the law in all respects. With the present mine development and equipment and full force of men this mine is capable of producing 1400 tons per day. This mine was reported last year as Island Creek No. 2 Mine, No. 529 of the printed report.

PAUL HARDY, Supt.

W. G. LAX, Mine Boss.

JAS. C. BEBEE, Gen. Mgr.

HEZ. JOHNSON, Fire Boss.

No. 571. *Island Creek No. 3.*—This mine is just being developed. Has shipped no coal.

PAUL HARDY, Supt.

STONE BRANCH COAL COMPANY.

No. 572. *Stone Branch Mine.*—This mine is located on Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Kanawha coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine is being made and a less number than 20 men were employed inside the mine. A map showing the workings of this mine dated March 23rd, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 225 tons per day. This mine was reported last year as Stone Branch Mine, No. 530 of the printed report.

JOEL T. ADAMS, Supt.

G. M. BRENNAN, Mine Boss.

LOGAN COAL COMPANY.

No. 573. *Logan No. 1 Mine.*—This mine is located on Dingess Run and the Guyan Valley Branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June 15th, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day. This mine was reported last year as Logan Mine, No. 531 of the printed report.

ROBERT BALDWIN and W. L. CROFT, Supts.

RICHARD ROSE and R. S. BALDWIN, Mine Bosses.

YUMA COAL AND COKE COMPANY.

No. 574. *Yuma Mine.*—This mine is located on Island creek, near Logan; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 7-foot Stine fan is good. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Yuma mine, No. 532 of the printed report.

WM. BARLOW, Supt.

W. STEVENS, Mine Boss

FORT BRANCH COAL COMPANY.

No. 575. *Fort Branch Mine.*—This mine is located on Dingess Run and the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine is a door beside the furnace. A map showing the workings of this mine dated June, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Fort Branch Mine, No. 533 of the printed report.

C. E. STAFFORD, Supt.

F. R. KITCHEN, Mine Boss.

CORA COAL & COKE COMPANY.

No. 576. *Cora Mine*.—This mine is located on Island creek; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by an 8-foot Thayer fan is good. Roof is good; drainage good.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules posted and stretchers and safety lamps kept at the mine. A map showing the workings of this mine dated January, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day.

This mine was reported last year as Cora Mine, No. 535 of the printed report.

C. W. JONES, Supt. C. A. WARDEN and JAMES HALL, Mine Bosses.

PRUDENTIAL COAL AND MINING COMPANY.

No. 577. *Prudential Mine*.—This mine is located at Big Creek on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Kanawha coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted nor stretchers and safety lamps kept on hand.

With the present mine development and equipment and full force of men this mine is capable of producing 100 tons per day. This mine was reported last year as Prudential Mine, No. 534 of the printed report.

S. C. FISHER, Supt. and Mine Boss.

REX COAL AND COKE COMPANY.

No. 578. *Rex Mine*.—This mine is located on Dingess Run and Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good. Owing to the mine going to the dip and liberating a great quantity of water, drainage is only fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted and stretchers and safety lamps are not kept at the mine. A map showing the workings of this mine dated June, 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Rex Mine, No. 536 of the printed report.

B. G. CALL, Supt.

G. H. BOLEN, Mine Boss.

ODD COAL AND COKE COMPANY.

No. 579. *Odd Mine*.—This mine is located on Dingess Run and the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating

the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good. Owing to the mine going to the dip and liberating a quantity of water the drainage is only fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated April 10, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Odd Mine, No. 537 of the printed report.

J. W. MITCHELL, Supt.

L. H. JACKSON, Mine Boss.

ETHEL COAL COMPANY.

No. 580. *Ethel Mine*.—This mine is located on Dingess Run and the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated June, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day. This mine was reported last year as Ethel Mine, No. 538 of the printed report.

C. A. DEVENNY, Supt.

M. L. BROWN and E. D. DAVIDSON, Mine Bosses.

H. T. WILSON COAL COMPANY.

No. 581. *Wilson Mine*.—This mine is located near Logan on the Guyan Valley branch of the C. & O. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 10-foot Thayer fan is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand.

The second opening to this mine is a door beside the fan.

With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This is a new mine and was not reported last year.

F. S. LEE, Supt.

W. A. EVANS and GEO. CAMPBELL, Mine Bosses.

· MINGO COUNTY.

PEARL COAL MINING COMPANY.

No. 582. *Camp Branch Mine*.—This mine is located at Dingess on the

N. & W. R. R.; is a drift opening operating the Lower Kittanning coal but is worked out and was abandoned during the past year.

This mine was reported last year as Camp Branch Mine No. 539 of the printed report.

J. F. KENT, Supt.

A. MITCHELL, Mine Boss.

No. 583. *Haggerty Mine*.—This mine is located at Dingess on the N. & W. R. R.; is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation produced by a 7-foot Thayer fan is good. A small per cent. of gas has been found in some of the advance headings of this mine but is kept clear by a good circulation of air. Roof is good; drainage fair.

All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated February, 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 175 tons per day. This mine was reported last night as Haggerty mine, No. 540 of the printed report.

J. F. KENT, Supt.

GEO. CASTLE, Mine Boss.

BELVEDERE GAS COAL COMPANY.

No. 584. *Alma or Sprigg Mine*.—This mine is located on the N. & W. R. R. and Tug River; is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamp kept on hand. The second opening to this mine meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Alma mine, No. 541 of the printed report.

J. F. KENT, Supt.

W. H. ADAMS, Mine Boss.

RED JACKET CONSOLIDATED COAL & COKE COMPANY.

No. 585. *Rutherford Mine*.—This mine is located near Matewan on a branch of the N. & W. R. R., and Mate creek; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a Crawford and McCrimmon fan is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept at the mine. The second opening of this mine meets all the requirements of the law. A map showing the workings of this mine dated January, 1907, has been furnished this office. The General Manager as well as the two Superintendents of this

company are practical men and take a special interest in keeping their mines in a good safe condition and see that the law is complied with in all respects. With the present mine development and equipment and full force of men this mine is capable of producing 700 tons per day. This mine was reported last year as Rutherford Mine, No. 542 of the printed report.

W. R. WILBURN, Supt.

GEO. WILBURN, Mine Boss.

W. C. EASLEY, Gen. Mgr.

No. 586. *Red Jacket Mine*.—This mine is located near Matewan on a branch of the N. & W. R. R., and Mate creek; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by two fans has always been found good. Roof is good; drainage fair.

All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept at the mine. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine, dated January, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 900 tons per day. This mine was reported last year as Red Jacket mine, No. 543 of the printed report.

W. R. WILBURN, Supt.

W. C. EASLEY, Gen. Mgr.

C. W. ADAMS, JOHN MURRAY and MARK HYRNE, Mine Bosses.

No. 587. *Logan Mine*.—This mine is located near Matewan on a branch of N. & W. R. R., and Mate creek; is a drift opening operating the Thacker coal on the double entry system. Only a small number of men is employed in this mine and the entire work consists of taking out pillars and robbing.

The ventilation produced by natural causes is fair. Roof is fair; drainage only fair. All powder is taken into the mine in cans of five pounds capacity.

The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was not published last year.

W. R. WILBURN, Supt.

GEO. W. BARNEY, Mine Boss.

W. C. EASLEY, Gen. Mgr.

No. 588. *Maritime Mine*.—This mine is located near Thacker on a branch of the N. & W. R. R.; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a 15-foot Crawford and McCrimmon fan is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated January, 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Maritime Mine, No. 544 of the printed report.

E. C. LAMBERT, Supt.

D. T. KARNES, Mine Boss.

W. C. EASLEY, Gen. Mgr.

No. 589. *Lick Fork Mine*.—This mine is located on the Lick Fork branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. At time of last inspection of this mine the ventilation produced by two furnaces was not satisfactory. Roof is fair; drainage only fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated, January 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day.

This mine was reported last year as Lick Fork Mine, No. 545 of the printed report.

E. C. LAMBERT, Supt.

A. L. COPLEY, Mine Boss.

W. C. EASLEY, Gen. Mgr.

No. 590. *Grapevine Mine*.—This mine is located near Thacker on the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage only fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are posted and stretchers and safety lamps are kept on hand.

A map showing the workings of this mine dated, January 1907, has been furnished this office.

With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Grapevine Mine, No. 546 of the printed report.

E. C. LAMBERT, Supt.

JAMES GENT, Mine Boss.

W. C. EASLEY, Gen. Mgr.

THACKER COAL AND COKE COMPANY.

No. 591. *Thacker Mine No. 2*.—This mine is located near Thacker on the Thacker branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a 15-foot Crawford and McCrimmon fan is good. Roof is good; drainage is good at faces but poor along the haulways. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings

of this mine dated, May 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 600 tons per day. This mine was reported last year as No. 2 and 2½ Mines, Nos. 547 and 548 of the printed report.

JAS. COLLINS, Supt. Wm. PONTIOUS, Mine Boss.

No. 592. *Thacker Mine No. 3.*—This mine is located near Thacker and on the Thacker branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a 15-foot Capell fan is good when proper cross-cuts are made. Roof is good, except a thin draw slate. Drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are not posted. Stretchers and safety lamps are kept on hand.

A map showing the workings of this mine dated, May 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 480 tons per day. This mine was reported last year as No. 3 Mine, No. 549 of the printed report.

JAS. COLLINS, Supt.

PETER KERR, Mine Boss.

No. 593. *Lynn Mine.*—This mine is located on the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. At time of last inspection of this mine the ventilation produced by natural causes was not satisfactory. Roof is fairly good. Drainage fair. This mine has been idle a large portion of the time during the past year, owing to a disagreement between the operating company and the land owners.

A map showing the workings of this mine dated, November 1906, was furnished this office. This mine was reported last year as Lynn Mine, No. 551 of the printed report.

JAS. COLLINS, Supt.

WILL ROEHRER, Mine Boss.

THACKER FUEL COMPANY.

No. 594. *Thacker Mine No. 10.*—This mine is located on the Lick Fork branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by three furnaces, at the time of last inspection was not satisfactory. Roof is good. Drainage in some parts of the mine is not good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept at the mine.

A map showing the workings of this mine dated, May 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 225 tons per day.

This mine was reported last year as No. 10 Mine, No. 550 of the printed report.

JAS. COLLINS, Supt.

C. E. SIGMAN, Mine Boss.

GLEN ALUM COAL COMPANY.

No. 595. *Glen Alum Mine. No. 1.*—This mine is located on the Alum Creek branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a fan is fair. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps were kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, Jan. 12, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 400 tons per day. This mine was reported last year as Glen Alum No. 1 Mine, No. 552 of the printed report.

P. P. FLANAGAN, Gen. Mgr.

FRANK McCLOSKEY, Mine Boss.

No. 596. *Glen Alum Mine No. 2.*—This mine is located on the Glen Alum branch of the N. & W. R. R; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a 12-foot Stine fan is good. Roof is not good but timbering is fairly well looked after. Drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes are now burning the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated January 12, 1907, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 325 tons per day. This mine was reported last year as Glen Alum No. 2 Mine, No. 553 of the printed report.

P. P. FLANAGAN, Gen. Mgr.

T. J. CONNELLEY, Mine Boss.

BIG SPLINT COAL COMPANY.

No. 597. *Nolan or Winifrede Mine.*—This mine is located at Nolan on the N. & W. R. R; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace was fair.

Roof is good. Owing to the amount of water liberated in this mine drainage is poor. All powder was taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company.

A map showing the workings of this mine dated, April 1907, was furnished this office. This mine was indefinitely closed some few months ago and it is not known when it will resume operation. This mine was reported last year as Nolan No. 1 Mine, No. 554 of the printed report.

W. D. WALTZ, Supt.

JOSEPH H. GRAY, Mine Boss.

WAR EAGLE COAL COMPANY.

No. 598. *War Eagle Mine.*—This mine is located on the Turkey Creek branch of the N. & W. R. R; is a drift opening operating the Kittanning

coal on the double entry system. The ventilation produced by natural causes is fair. Roof is good. Drainage only fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules were not posted. Stretchers and safety lamps were not kept at the mine. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, July 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as War Eagle Mine, No. 555 of the printed report.

G. W. COFFEY, Supt.

M. F. BOOTH, Mine Boss.

A. MOORE, Gen. Mgr.

No. 599. *Pappoose Mine*.—This mine is located on the Turkey Creek branch of the N. & W. R. R.; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by natural causes was not satisfactory at time of last inspection of this mine. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are kept on hand. A map showing the workings of this mine dated, July 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Pappoose Mine, No. 556 of the printed report.

G. W. COFFEY, Supt.

J. K. COFFEY, Mine Boss.

A. MOORE, Gen. Mgr.

No. 600. *Mephisto Mine*.—This mine is located on the Turkey Creek branch of the N. & W. R. R.; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map of this mine dated, July 1906, has been furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 275 tons per day. This mine was reported last year as Mephisto Mine, No. 557 of the printed report.

G. W. COFFEY, Supt.

J. A. EARNEST, Mine Boss.

A. MOORE, Gen. Mgr.

No. 601. *Star Mine*.—This mine is located on the Turkey Creek branch of the N. & W. R. R.; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace is only fair. Roof in this mine is bad and dangerous but timbering is fairly well looked after. Drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold

them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are not posted. Stretchers and safety lamps are not kept at the mine. A map showing the workings of this mine dated, January 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Star Mine, No. 566 of the printed report.

G. W. COFFEY, Supt.

JAS. McBRAYER, Mine Boss.

A. MOORE, Gen. Mgr.

HATFIELD COLLIERY COMPANY.

No. 602. *Hatfield Mine.*—This mine is located near Nolan on the N. & W. R. R; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good. Drainage is bad. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept at the mine. The second opening to this mine meets all the requirements of the law. A map of this mine showing the workings to, January 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Nos. 1 and 2 Mine, No. 558 of the printed report.

JOHN R. WHITE, Supt.

C. C. NEW, Mine Boss.

CULROSS COAL COMPANY.

No. 603. *Jackson Mine.*—This mine is located near Nolan on the N. & W. R. R; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace was fair. Roof good. Drainage poor. The second opening to this mine met all the requirements of the law. This mine was indefinitely closed about three months ago and it could not be learned when operations would be resumed. A small mine fire exists in the east side of the mine but it is surrounded by water and can only damage a small portion of the mine. A map showing the workings of this mine dated, May 1906, has been furnished this office.

This mine was reported last year as Jackson Mine, No. 559 of the printed report.

W. J. FRY, Supt.

H. ENDICOTT, Mine Boss.

MATE CREEK COAL COMPANY.

No. 604. *Mate Creek Mine No. 1.*—This mine is located near Matewan on the N. & W. R. R; is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation produced by a furnace was not good. The roof in this mine is bad and dangerous but timbering is fairly well looked after. Drainage along some of the haulways is

bad. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, June 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 90 tons per day.

This mine was reported last year as No. 1 Mine, No. 561 of the printed report.

S. T. LAMBERT, Supt.

E. H. ARTIS AND

J. F. DICKENSON, Mine Bosses.

No. 605. *Mate Creek Mine No. 2.*—This mine is located near Matewan on the N. & W. R. R.; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a furnace was not good at time of last inspection. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamp are kept on hand. A map showing the workings of this mine dated, June 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 100 tons per day. This mine was reported last year as No. 2 Mine, No. 562 of the printed report.

S. T. LAMBERT, Supt.

E. H. ARTIS AND

J. F. DICKENSON, Mine Bosses.

MARVIN COAL COMPANY.

No. 606. *Marvin Mine No. 1.*—This mine is located at Matewan on the N. & W. R. R.; is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation produced by a furnace was not good at time of last inspection of this mine. Roof is good; drainage fair. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamp are kept at the mine. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, August 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day. This mine was reported last year as Marvin Mine, No. 563 of the printed report.

J. A. WILLIAMS, Supt.

G. F. BOOTH, Mine Boss.

No. 607. *Marvin Mine No. 2.*—This mine is located at Matewan on the N. & W. R. R.; is a drift opening operating the Thacker coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted. This is a new mine and is worked in con-

nection with the No. 1 Mine. With present mine development and equipment and full force of men this mine is capable of producing 50 tons per day.

This mine was not reported last year.

J. A. WILLIAMS, Supt.

J. W. STEWART, Mine Boss.

MARGARET COAL COMPANY.

No. 608. *Margaret Mine No. 1.*—This mine is located on the Turkey Creek branch of the N. & W. R. R; is a drift opening operating the Kittanning coal on the double entry system. This mine was idle almost the entire year but I was informed that it would resume operations in the near future. This mine was reported last year as No. 1 Mine, No. 564 of the printed report.

SAM PERRY AND

L. J. BLANKENSHIP, Mine Boss.

A. H. DANGERFIELD, Supts.

No. 609. *Margaret Mine No. 2.*—This mine is located on the Turkey Creek branch of the N. & W. R. R; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a Crawford and McCrimmon fan is good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept on hand. The second opening to this mine is a door beside the fan. A map showing the workings of this mine dated, January, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 350 tons per day. This mine was reported last year as No. 2 Mine, No. 565 of the printed report.

SAM PERRY AND

L. J. BLANKENSHIP, Mine Boss.

A. H. DANGERFIELD, Supts.

MAJESTIC COLLIERIES COMPANY.

No. 610. *Cedar Mine.*—This mine is located on the N. & W. R. R; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace was not good at time of last inspection of this mine. Roof is fair; drainage along the haulways is not good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept on hand.

The second opening to this mine meets all the requirements of the law. With the present mine development and equipment and full force of men this mine is capable of producing 100 tons per day. A map showing the workings of this mine dated Feb'y. 1906, was furnished this office. This mine was reported last year as Cedar Mine No. 567 of the printed report.

A. B. RAWN, Supt.

HANK VARNEY AND

P. P. FLANAGAN, Gen. Mgr.

L. A. HARRISON, Mine Bosses.

MERRIMAC COAL AND COKE COMPANY.

No. 611. *Commercial or Merrimac Mines Nos. 1 and 2.*—These mines are located five miles east of Williamson on the N. & W. R. R.; are drift openings operating the Kittanning coal on the double entry system. The ventilation produced by a furnace was not good at time of last inspection of these mines. Roof is fair. Drainage good.

All powder is taken into the mines in cans of five pounds capacity.

The employs burn the oil sold them by the operating company. Rules were not posted. Stretchers and safety lamps were not kept at the mines. A map showing the workings of these mines dated, January 1907, was furnished this office. With the present mine development and equipment and full force of men these mines are capable of producing 75 tons per day. These mines were reported last year as Merrimac Mines Nos. 1 and 2, No. 568 of the printed report.

JNO. E. WILLIAMS AND

J. T. WOODY, Supts.

R. M. MOORE AND

E. B. VARNEY, Mine Bosses.

No. 612. *Coaling Station Mine.*—This mine is located five miles east of Williamson on the N. & W. R. R.; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace was not satisfactory at time of last inspection of this mine. Roof is fair. Drainage on haulways is not good. All powder is carried into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. The second opening to this mine meets all the requirements of the law. Rules are not posted. Stretchers and safety lamps are not kept on hand. A map of the workings of this mine, dated January 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Coaling Station Mine, No. 569 of the printed report.

JNO. E. WILLIAMS AND

J. T. WOODY, Supts.

E. B. VARNEY AND

K. L. BROGAN, Mine Bosses.

WILLIAMSON COAL AND COKE COMPANY.

No. 613. *Williamson Mine No. 1.*—This mine is located at Williamson on the N. & W. R. R.; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept at the mine. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, August 31, 1905, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as Williamson No. 1 Mine, No. 570 of the printed report.

W. T. POOLE, Supt.

H. H. KELLEY, Mine Boss.

No. 614. *Williamson Mine No. 2.*—This mine is located at Williamson on the N. & W. R. R; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage only fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept on hand. The second opening to this mine meets all the requirements of the law.

With the present mine development and equipment and full force of men this mine is capable of producing 140 tons per day. This mine was reported last year as Williamson No. 2 Mine, No. 571 of the printed report.

W. T. POOLE, Supt.

C. C. FULTZ AND

E. D. DAVIES, Mine Bosses.

WINIFREDE CONSOLIDATED COAL COMPANY.

No. 615. *Sugar Tree or Goodman Nos. 1 and 2 Mines.*—These mines are located about two miles east of Williamson on the N. & W. R. R; are drift openings operating the Winifrede (Sugar Tree or No. 1) and Coalburg coals on the double entry system. Have been idle almost the entire year and no inspection was made.

These mines were reported last year as Winifrede and Coalburg Mines, Nos. 527 and 573 of the printed report.

W. T. POOLE AND

LEE ADKINS AND

W. A. HURST, Supts.

A. MITCHELL, Mine Bosses.

HOWARD COLLIERY COMPANY.

No. 616. *Howard Mine.*—This mine is located on the Buffalo Creek branch of the N. & W. R. R; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by two furnaces is good. Roof is good; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law.

A map showing the workings of this mine dated, May 28, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 225 tons per day. This mine was reported last year as Howard Mine, No. 574 of the printed report.

W. S. ESTLER, Supt.

R. G. CLAYTER, Mine Boss.

F. L. SCHOEW, Gen. Mgr.

CHATTAROY COLLIERY COMPANY.

No. 617. *Chattaroy Mine.*—This mine is located on the Buffalo Creek branch of the N. & W. R. R; is a drift opening operating the Winifrede and Coalburg coals on the double entry system. The ventilation pro-

duced by two furnaces is fair. Roof is good. Drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, June 1906, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Chattaroy Mine, No. 575 of the printed report.

C. E. TABOR, Mine Boss and Supt.

THE BUFFALO COLLIERIES COMPANY.

No. 618. *Buffalo Mine.*—This mine is located on the Buffalo Creek branch of the N. & W. R. R.; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a 7-foot Stine fan is good. Roof is good; drainage fair.

All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are posted and stretchers and safety lamps are kept on hand. The second opening to this mine is a door beside the fan. A map showing the workings of this mine dated, March 15, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons per day. This mine was reported last year as Buffalo Mine, No. 576 of the printed report.

S. V. PRESTON, Supt.

C. D. JEFFERSON, Mine Boss.

LEFTWICH AND TAYLOR.

No. 619. *Rawl Mine No. 1.*—This mine is located about four miles east of Williamson on the N. & W. R. R.; is a drift opening operating the Lower Kittanning coal on the double entry system. The ventilation produced by a furnace is fair. Roof is good; drainage fair. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept on hand. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, June 18, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day. This mine was reported last year as No. 1 Mine, Rawl Coal and Coke Company, No. 577 of the printed report.

R. N. TAYLOR, Supt.

J. F. DICKERSON AND

JOHN NEWCOMB, Mine Bosses.

No. 620. *Rawl Mine No. 2.*—This mine is located about four miles east of Williamson on the N. & W. R. R.; is a drift opening operating the Lower Kittanning coal on the double entry system. This mine was worked in connection with the No. 1 Mine but it has been abandoned.

Was reported last year as No. 2 Mine of Rawl Coal and Coke Company, as shown by the printed report.

R. N. TAYLOR, Supt.

WALNUT HILLS COAL AND MINING COMPANY.

No. 621. *Walnut Hill Mine*.—This mine is located near Naugatuck on the N. & W. R. R; is a drift opening operating the Kittanning coal on the double entry system. The ventilation produced by a furnace was fair. Roof was fair; drainage good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept at the mine. The second opening to this mine meets all the requirements of the law. A map showing the workings of this mine dated, March 15, 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 250 tons per day. This mine was reported last year as Walnut Hills No. 1 Mine, No. 579 of the printed report.

J. G. THOMAS, Supt.

Wm. PAISLEY, Mine Boss.

LINGOHOCKEN COAL COMPANY.

No. 622. *Lingohocken No. 1 Mine*.—This mine is located on the Buffalo Creek branch of the N. & W. R. R; is a drift opening operating the Winifrede coal on the double entry system. The ventilation produced by a furnace and natural causes is fair. Roof is good. Owing to the amount of water this mine generates, drainage is not good. All powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. This mine consists of several small openings. A map showing the workings of this mine dated, Feb'y. 1907, was furnished this office. With the present mine development and equipment and full force of men this mine is capable of producing 200 tons of coal per day. This mine was reported last year as Lingohocken Mine, No. 580 of the printed report.

W. B. BUCKWALKER, Supt.

FLOYD GOLDEN, Mine Boss.

WARFIELD COAL COMPANY.

No. 623. *Warfield Mine*.—This mine is located near Warfield on the N. & W. R. R; is a shaft opening operating the Alma or Lower Kittanning coal on the double entry system. The ventilation produced by a furnace is good. Roof is good; drainage fair. At time of last inspection of this mine powder was taken into the mine in 25 pound kegs but the management was notified to see that all powder is taken into the mine in cans of five pounds capacity. The employes burn the oil sold them by the operating company. Rules are not posted. Stretchers and safety lamps are not kept at the mine. This is a new mine and only working a small number of men. With the present mine development and equipment and full force of men this mine is capable of producing 150 tons per day.

111 mines are included in the Seventh Inspection District, and at the close of the fiscal year 17 mines are in course of being opened.

Only at some of the mines has the mining laws been well observed, and I am of the opinion, that it is but fair to the management of said mines that their names be given special mention in this report.

Among the mines which were found to be in first class condition, where the efforts of the management were very noticeable to a high degree, for the safety of the lives of those therein, are:

The Empire Mine at Landgraf under the management of Mr. W. D. Ord.
Pulaski Mine, at Eckman, Mr. Percival Johnson, Gen'l Mgr.

The Keystone Mine at Keystone, Mr. J. K. F. Steele, Gen'l Mgr.

The Middle States Mine, under the management of Mr. C. E. F. Burnley.
Lick Branch, Delta, Shamokin, Angle and Norfolk Mines of the Pocahontas Consolidated Company, Mr. J. E. Jones, Gen'l Mgr.

It must be said that, that the mines of the United States Coal & Coke Company, on the Gary branch of the Norfolk and Western, under the management of Mr. Edw. O'Toole, are far superior in condition and management, to any and all other mines above mentioned.

Many other mines were found in fair condition, but the high standard of management did not exist as at the mines mentioned.

I regret to report that mines were found where no semblance of management existed, and where no care whatever could be discerned for the safety and health of those employed therein.

Upwards of 40 steam locomotives were found in use in the mines of this district. Some were even found running in, on the intake air-ways, polluting the entire air current with the deadly gases given off and which all employes in said mine were compelled to inhale. Some traveled the distance of several miles under ground and to the extreme limit of any working places.

It seems almost impossible to believe that any mining men would argue in favor of steam locomotives inside a coal mine for haulage purposes.

Scores of men employed as mine bosses, superintendents, general managers, owners of mines, and workmen were found to tell tales of horror of men having been overcome with the fumes emitted from the locomotives and who were conveyed out of the mines almost asphyxiated.

Only a few of those having steam locomotives in use argue against any dangers accruing from the same.

It is a loathsome fact that it was ever necessary for a legislature to legislate against such an abomination.

And it is an everlasting reflection upon the fair name of the state of West Virginia that a legislature would ever seek to evade the issue by passing a law containing so much vagueness as Sec. 24 of the present, (or new mining laws).

Several companies have abolished the steam locomotives from their mines, others are preparing to do so, some have promised to do so, and a few show a disposition to ignore the law on the subject.

Many important improvements have been made during the past year; and are being made throughout the field.

The improvements consist mostly of enlarging the means of production,

by the construction of power plants, new haulage roads, new openings, better grades, and the installation of fans. But there remain great necessities for much more improvements to be made than has been made.

But one prosecution, of any importance was attempted during the year, which was an injunction applied for against the Pawama Mine on Wide Mouth Creek to compel the installation of a fan; the report of which will be found in detail following with the inspection of said mine.

A score of minor prosecutions were had for violation of the oil regulations, and taking full kegs of powder into the mines.

One great difficulty in the way of progress for the betterment of conditions for the safety and health of those employed inside the mines; is the inferior grade of miners and laborers employed; and especially the inexperience and incompetency of many of the men employed as mine bosses, and those to oversee the work.

The lack of public opinion or public sentiment, to help enforce the laws or to demand recognition of the same.

And the failure on the part of many of the operators to realize the benefits of the observance of the laws and failure to recognize the proper duties of the mining department towards their property.

There are few, if any coal fields in the United States where coal is easier mined, and where conditions are more favorable for the purpose of securing the best class of labor; and because of the many adverse conditions existing at present, leads one to be convinced that the cause for so much unintelligent and incompetent labor is due to ancient and barbarous methods and policies that are pursued in the operation of the mines.

It is an extremely sad fact that the number of intelligent, competent and high class mine managers (from mine boss to general manager) are greatly in the minority.

The causes of the lack of competent management, can be attributed to at least two main reasons:

First:—The great desire to secure mine bosses who are willing to accept positions at extremely low salaries. Competent men being always in demand find employment elsewhere where better salary is paid, more in accordance with ability.

Second:—The prosperity among those who have operated mines in this field, has been such that capital has been attracted which is controlled by individuals who are most ambitious to succeed as capitalists, but who have little or no knowledge of mining, or its dangers, and who know little about the mining laws and seem to care less.

Such employers do not have the knowledge to enable them to know whether they have competent management, or incompetent management; the natural conditions being so favorable, that so long as their business is profitable they remain under the impression that their management is sufficient and cannot be convinced otherwise.

I regret to report that at the beginning of this fiscal year a condition existed wherein the working classes of this field had completely lost all confidence in the local courts, they seem to be thoroughly convinced that justice could not be obtained towards the enforcement of the mining laws.

The new laws enacted at the 1907 legislature are a good improvement over the previous laws but in many respects are yet very vague, and seem to have been made so through the influence of selfish interests.

As objects of legislation I would suggest and recommend the following ideas.

In all mining states the most practical mining men agree that the state should enforce the employment of the most intelligent and competent management, to best secure safe and healthful conditions.

In order to secure this, examinations for mine bosses, fire bosses and mine inspectors have been adopted by several states, and is favored to a great extent everywhere.

The laws of West Virginia require that competent men shall be employed, as fire bosses and mine bosses, and as a result of said law, in as much as the duties of said bosses, are also prescribed to a certain extent, our courts of this state, and other states have decided that where accidents have occurred (proven to be due to the negligence or carelessness) of said bosses, the operator or owner of the mines can not be held responsible or liable for damages.

It therefore becomes a question, if said laws in view of said court decisions, have not been reduced so as to be of little benefit to those employed in the hazardous work of mining. It seems to me that the best and perhaps the only way after all to enforce the employment of competent management is to place the proper responsibility upon the employer, or owner in case of accident.

If in order to do this, it may be necessary to repeal all law which provides for a certain grade of competency of management, and the prescribing of duties of bosses, (and the court decisions seem to indicate such) I would recommend that all law bearing on this point be repealed and the proper responsibility be placed on the owner or operator, to maintain safe conditions.

It goes without argument that "publicity" is the great power to avoid wrong doing; the people may be depended upon to rectify wrongs, when given the proper knowledge of the wrong doing, and where it exists.

No good citizen, or employer who has the proper respect for law, and who desires to aid in the welfare of the state will object to the publicity of the truthful conditions existing, in the industry in which he is engaged.

Undoubtedly all persons concerned in said industry will be benefited by such publicity.

I therefore would recommend that the mining laws, be so amended as to provide for the publication of all fatal accidents, monthly by the chief of the department of mines with the important details of each accident.

The circumstances of many accidents, would serve as a warning and precaution to others, and would be the means of saving many lives.

Sec. 26 of the present laws provide that "circuit courts, criminal courts, and justices of the peace shall have concurrent jurisdiction with right of appeal to the circuit court".

I would recommend, that this section be amended to provide that the Attorney General shall appeal from the circuit court to the state supreme court, when directed by the Chief of the Department of Mines.

Sec. 16 provides, that the chief of the Department of Mines shall first examine a mine after having been notified by the district inspector of his belief that said mine is dangerous to life or health, before having authority to order a mine closed.

Undoubtedly if life is endangered, the welfare of human beings demand with all reason that there should be no delay of authority to save lives.

I would recommend, that the district inspectors be given full authority to close mines, when found in dangerous condition; with right of appeal of the operator, to the Chief of the Department of Mines and thence to the courts.

I would further recommend, that a severe penalty be provided for any person whosoever, in any manner endeavors to evade the law; or who by act, or word seeks to thwart the efforts of the inspector in his endeavors to enforce the laws, or when intimidation in any manner is attempted against the inspector.

In conclusion, I am glad to say, that splendid progress is being made in this district towards better conditions, and that the great majority of operators are pleased to receive inspections of their mines, and have willingly co-operated in every way to meet the requirements of the law.

And it is to be regretted that a few have taken very unkindly to the exercises of the law, notwithstanding that every leniency possible has been shown towards them.

I wish to thank you for your cordial treatment at all times, and for your valuable assistance to carry out my duties.

I wish to say that I have always found you ready to give advice, and at all times your advice has ever been to the very best interests of the department; and for the best interest of all concerned in the coal industry.

Yours very truly,

WM. WARNER,

Mine Inspector Seventh District.

CONDITION OF MINES IN THE SEVENTH DISTRICT

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MCDOWELL COUNTY.

ALGOMA COAL AND COKE COMPANY.

No. 628. *Big Four Mine*.—This mine is located on Buzzard creek off Northfork branch at Algoma. Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan, and would be sufficient if the air current was carried forward as the law requires.

Drainage was not good in places. The second opening was not available as a traveling way. This mine is practically a part of the Piney Mine, the same inferior conditions, and poor management obtained. as at the Piney Mine. This mine was reported last year as Big Four Mine, No. 592 of the printed report.

WM. J. BEURY, Supt.

M. F. HENSLEY, Mine Boss.
GUY TAYLOR, Fire Boss.

No. 629. *Piney Mine*.—This mine is located on Buzzard creek off North fork branch at Algoma. It is a drift opening operating the No. 3 Pocahontas vein.

It has fan ventilation. The ventilating current was not carried forward to the working faces sufficiently.

Drainage was fairly good. Some little quantity of gas is liberated, and a fire boss is employed. Kerosene oil was used promiscuously; although notices were posted, signed by the Gen. Manager, prohibiting the same. Some of the employes stated that the assistant mine boss instructed them that the management did not expect a compliance with said notice. Powder was taken into the mines in kegs. The second opening was not available as a traveling way.

Break throughs and stoppings were badly neglected. In view of the fact that a disaster occurred at this mine some time ago in which several lives were lost, I consider the careless management existing, little less than criminal.

This mine was reported last year as Piney Mine, No. 593 of the printed report.

WM. J. BEURY, Supt.

M. F. HENSLEY, Mine Boss.
GUY TAYLOR, Fire Boss.

No. 630. *North Fork or Coaling Station Mine*.—This mine is located on Burk creek at North fork, operating in No. 3 Pocahontas seam. Is a drift mine, and has no artificial means of ventilation.

The ventilation was very bad, there being no stoppings built in the old break throughs to conduct the air current forward that is produced by natural means.

The drainage was very bad on the haulage road. Considerable loose and dangerous top was found. All the employes were using kerosene oil. No rules were posted. Powder was taken into the mines in kegs. There was no safety lamp, or stretcher or blankets on hand. Any observance of mining laws was not discernible. Very poor management existed. This mine was reported last year as North Fork, No. 594 of the printed report.

WM. J. BEURY, Supt.

H. W. PIPPIN, Mine Boss.

GILLIAM COAL AND COKE COMPANY.

No. 631. *Gilliam Mine*.—This mine is located on the North fork branch at Gilliam station. It is a drift mine operating in the No. 3 Pocahontas seam.

The ventilation is produced by a fan; and is very good.

Drainage is good. Very little gas is liberated, and a fire boss is employed. Stoppings were not built of sufficiently substantial material.

Kerosene oil was used.

Rules were posted, stretchers and blankets were on hand.

The general safety seemed good. The management seemed to be careful and quite attentive to law requirements. This mine was reported last year as Gilliam Mine, No. 595 of the printed report.

P. P. FLANAGAN, Gen Mgr.

J. W. YOST, Mine Boss.
JOSEPH MCKAY and J. W. FERRIS, Fire Bosses.

ROANOKE COAL AND COKE COMPANY.

No. 632. *Roanoke Mine*.—This mine is located on the Northfork branch near the Indian Ridge Mine. Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan, which is very good, and is well conducted throughout the workings. Drainage is first-class. Roof is fairly good and well timbered where needed. No gas is liberated. Some kerosene was used.

Rules were posted, a safety lamp, and stretcher with blankets are kept on hand. The management seemed careful and capable in every respect. This mine was reported last year as Roanoke Mine, No. 596 of the printed report.

W. C. EASLEY, Gen. Mgr.

Wm. L. MARSHALL, Mine Boss.

INDIAN RIDGE COAL AND COKE COMPANY

No. 633. *Indian Ridge Mine*.—This mine is located on the Northfork branch at Indian Ridge about 2½ miles from Northfork.

It is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan. The ventilating current is not carried forward to the working places as the law requires.

Drainage is good. The roof is fairly good. Substantial stoppings of stone are being built. Kerosene oil was used. No gas is liberated.

Rules were posted. A safety lamp, stretcher with blankets are kept on hand. This mine was reported last year as Indian Ridge Mine, No. 597 of the printed report.

A. D. RICE, Gen. Mgr.

H. A. TAYLOR, Mine Boss.

ARLINGTON COAL AND COKE COMPANY.

No. 634. *Arlington Mine*.—This mine is located on the Northfork branch, about 4 miles from Northfork, is a drift mine operating in the No. 3 Pocahontas seam.

The ventilation is produced by a fan which is very good.

Drainage was good. Roof was fairly good and well timbered where needed. Kerosene was used. Full kegs of powder were found in the mine.

An accumulation of dust existed, and was not sufficiently sprinkled.

No rules were posted. No safety lamp on hand. A stretcher with blankets was kept on hand.

A sample of miners' oil sold in the company store was tested and found to be inferior. This mine was reported last year as Arlington Mine, No. 598 of the printed report.

P. P. FLANAGAN, Gen. Mgr.

J. C. CAMPBELL, Mine Boss.

GREENBRIER COAL AND COKE COMPANY.

No. 635. *Greenbrier Mine*.—This mine is located on the Northfork branch at McDowell station.

Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation

is produced by a fan and is good. The break-throughs were made every 100 feet alternately with each opposite pillar, which made the distance of 200 feet between break-throughs in each pillar. Drainage was good. Roof fairly good, and well timbered. Kerosene oil was used. The mine was somewhat dusty.

Rules were posted. A safety lamp, stretcher with blankets were kept on hand. This mine was reported last year as Greenbrier Mine, No. 599 of the printed report.

JAIRUS COLLINS, Gen. Mgr.

C. W. ATKINSON, Mine Boss.

McDOWELL COAL AND COKE COMPANY.

No. 636. *McDowell Mine.*—This mine is located on Northfork branch at McDowell station.

Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan, which produces an abundant volume of air, but was not well conducted throughout the mine.

Steam locomotives are used for haulage inside the mine. The conditions produced by these steam locomotives needs no further comment. The company has shown a very satisfactory willingness to abandon steam locomotive haulage, and have placed a contract for an electrical power plant.

Kerosene oil was used. Powder was taken in the mines in kegs.

Rules were posted. Safety lamp and stretcher were kept on hands. It was quite apparent that very poor management existed at this mine for several years, and the management was quite incompetent at the time of last inspection. This mine was reported last year as McDowell Mine, No 600 of the printed report.

THOS. COOPER, Gen. Mgr.

C. R. WISE, Mine Boss.

H. W. RAWSON, Supt.

ASHLAND COAL AND COKE COMPANY.

No. 637. *Ashland No. 1 Mine.*—This mine is located on the Northfork branch at Ashland station.

Is a drift mine operating in the No. 3 Pocahontas seam. The ventilation is produced by a fan, and is fairly good.

Steam locomotives are also used for haulage in this mine; but travel on the return air way. As mentioned in the report of Monitor Mine, the power plant for which the contract was let will furnish power also for this mine, and the steam locomotives will be dispensed with. The drainage was bad. The roof and timbering was fair. Kerosene oil was used by both day-men and miners. The management agreed to improve No. 3 opening, and make the same available as a second opening in requirement of the law.

No safety lamp was on hand.

Rules were posted, but not observed.

A stretcher was kept on hand. This mine was reported last year as Ashland No. 1 Mine, No. 601 of the printed report.

T. J. O'NEIL, Supt.

J. C. LOVERN, Mine Boss.

No. 638. *Ashland No. 2 or Monitor Mine*.—This mine is located on Northfork branch at Ashland station.

Is a drift mine, operating in the No. 3 Pocahontas seam. The ventilation was produced by a fan. Steam locomotives were used for haulage inside the mine, and which traveled on the Intake airway. It would be difficult to imagine how the ventilation could be worse. I declined to make an inspection on account of the smoke produced by said steam locomotives. The volume of air at intake, where the steam locomotives entered measured 28,000 cu. ft.

The management agreed to construct an overcast at once, which would place the smoke of the steam locomotives on the return air way. Also to dispense with steam locomotive haulage as soon as practical. I understand that a contract was let for construction of an electric power plant. Rules were posted, safety lamp, stretcher with blankets were kept on hand. This mine was reported last year as Ashland No. 2 Mine, No. 602 of the printed report.

T. J. O'NEIL, Supt.

T. D. MATHEWS, Mine Boss.

ELKRIDGE COAL AND COKE COMPANY.

No. 639. *Elk Ridge Mine*.—This mine is located on the Northfork branch at Northfork. It is a drift mine, operating in the No. 3 Pocahontas seam.

The ventilation is produced by a fan, which was not sufficient for the amount of area to be ventilated. The ventilation in upper portion of the mine was exceedingly bad, and conditions was stifling.

Considerable dust existed, and sprinkling was not resorted to sufficiently. Steam locomotives are used for haulage inside the mine, necessitating a trap door, on the Pit mouth to cause the smoke and gases emitted from steam locomotives, to be on the return air-way to the fan. Trips passing in and out of the mine, necessitating said door to be open a considerable time, entirely deprived the mine workings of all ventilation while said door is open.

The conditions caused by the use of steam locomotives in this mine I consider abominable. Rules were posted, but no safety lamp was kept on hand. Kerosene oil was used and full kegs of powder taken in the mine. This mine was reported last year as Elk Ridge Mine, No. 602 of the printed report.

L. E. TIERNEY, Gen. Mgr.

JAMES HUDSON and JOHN J. DALY, Mine Bosses.

POCAHONTAS CONSOLIDATED COLLIERIES COMPANY.

No. 640. *Norfolk Mine*.—This mine is located on the opposite side of the valley from Angle mine, and the same tibble is used.

Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a 28-foot fan producing over 200,000 cu. ft. of air per minute.

The ventilation is first class. Drainage is good. Roof and timbering is good. Machinery and electric haulage equipment is first-class. Coal is shot

from the solid. Rules are posted. Safety lamps, stretchers with blankets are kept on hand. This mine was reported last year as Norfolk Mine, No. 613 of the printed report.

J. E. JONES, Gen. Mgr.

G. H. PILKENTON, Mine Boss.

R. S. WHITEHEAD, Supt.

No. 641. *Angle Mine*.—This mine is located on a branch road about two miles from Switchback. Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan and is first-class.

Drainage is very good. Roof and timbering is good. Gas is generated very slightly, can not be detected by safety lamp. Kerosene was used, and some full kegs of powder were found in the mine. Coal was shot from the solid.

Rules are posted, safety lamps and stretchers with blankets are kept on hand. This mine was reported last year as Angle Mine, No. 614 of the printed report.

J. E. JONES, Gen. Mgr.

G. H. PILKENTON, Mine Boss.

R. S. WHITEHEAD, Supt.

No. 642. *Lick Branch Mine*.—This mine is located on Elkhorn River between Ennis and Switchback. Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by an electrically driven fan, with an employe in constant attendance. The ventilation is first-class, and is well distributed.

The drainage is perfect, roof good where draw slate is down, and well timbered where required. Haulage roads are kept in good condition, and all together the management deserves credit. Electric motors are used for haulage. Kerosene oil was used, which has been the practice throughout this field for years. Rules are posted, safety lamps and stretchers with blankets are kept on hand. This mine was reported last year as Lick Branch Mine, No. 615 of the printed report.

J. E. JONES, Gen. Mgr.

J. K. WHITEHEAD, Mine Boss.

R. S. WHITEHEAD, Supt.

No. 643. *Delta Mine*.—This mine is located on Elkhorn river, near Switchback; it is a drift mine, operating in the No. 3 Pocahontas vein.

The ventilation is excellent, well distributed and carried around to the working places. Drainage is perfect, and the same creditable management obtained as at the Lick Branch Mine. Machinery and electric haulage equipment are first-class.

Kerosene oil is used. Electric lights are located at all switches. Preparations are being made to have the mine entrance built of concrete, and retaining walls on the outside. All other features of the law are honorably observed. This mine was reported last year as Delta Mine, No. 616 of the printed report.

J. E. JONES, Gen. Mgr.

J. K. WHITEHEAD, Mine Boss.

R. S. WHITEHEAD, Supt.

No. 644. *Shamokin Mine*.—This mine is located on Elkhorn river, on

the right, a short distance east of Switchback. Is a drift mine operating in No. 3 Pocahontas vein.

The ventilation is produced by a fan and is first-class, and well distributed.

All other conditions throughout, full obtains, as has been described at two preceding mines. A steam locomotive is used to haul the coal on the outside from the pit mouth to the tippie. This mine was reported last year as Shamokin Mine, No. 617 of the printed report.

J. E. JONES, Gen. Mgr.

A. O. COOPER, Mine Boss.

R. S. WHITEHEAD, Supt.

No. 645. *Cherokee Mine*.—This mine is located on the Northfork branch, below Ashland station. Is a drift mine, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan; 25,280 cu. ft. of air was measured at the out let.

Steam locomotives, are used for haulage, on the inside of the mine.

The haulage road, was the only traveling way for ingress and egress, and was used as the return air way. The smoke from the steam locomotive was so dense that I could not enter the interior of the mine. The management agreed to prepare the intake air way at once for a traveling way. Notices were posted prohibiting the use of kerosene oil, but all the employes, encountered were using kerosene oil unmixed, the management admitted that they had not intended to enforce said notice until compelled to do so. Rules were posted. Safety lamp, stretchers with blankets were on hand. This mine was reported last year as Cherokee Mine, No. 619 of the printed report.

J. C. SAUNDERS, Supt.

ELLIS SHEETS, Mine Boss.

No. 646. *Rolfe Mine*.—This mine is located on the Northfork branch at Rolfe station about two miles from Northfork.

It is a drift mine in the No. 3 Pocahontas vein.

This mine has not been in operation during the year; and no one is in charge. This mine was reported last year as Rolfe Mine, No. 618 of the printed report.

No. 647. *West Mine*.—Only a small part of this mine is in the State of West Virginia and the work being done is the drawing of pillars, which will soon be completed and the part of the mine in this State abandoned.

Wm. LCKIE, Supt.

W. C. WARBURTON, Mine Boss.

ELKHORN COAL AND COKE COMPANY.

No. 648. *Elkhorn Mine*.—This mine is located at Maybeury on Elkhorn river; is a drift mine, operating in No. 3 Pocahontas vein.

The ventilation is produced by a fan and is amply sufficient in volume.

The ventilation is good, but excessive shooting of coal from the solid, keeps the air current polluted. Steam locomotives are used for inside haulage, which travel a considerable distance into the mine, but on return

air ways. I consider the use of these steam locomotives, quite dangerous and certainly injurious to health.

The gases emitted from said locomotives are liable to accumulate and find lodgement in the old workings, where acres of excavated rooms exist, with their pillars waiting to be drawn. Drainage is good. Roof and timbering is good. Kerosene oil was used promiscuously. Considerable dust had accumulated, but which was quite well sprinkled. This mine was reported last year as Elkhorn mine, No. 620 of the printed report.

R. S. ORD, Supt.

L. B. HOLLIDAY, Mine Boss.

ZENITH COAL AND COKE COMPANY.

Nos. 649 and 650. *Zenith Nos. 1 and 2 Mines.*—These mines are located on the Northfork branch, at extreme upper end. They are drift mines, operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan, and is very good.

The air current has several splits. Drainage was good. The roof was very good; very little timbering needed.

Kerosene oil was being used to some extent. Coal was being shot from the solid. Rules were posted, safety lamp, stretcher with blankets were on hand. These mines were reported last year as Zenith Mines Nos. 1 and 2, Nos. 651 and 652 of the printed report.

S. S. COFFMAN, Supt.

J. M. WATT, Mine Boss.

THE TIDEWATER COAL AND COKE COMPANY.

No. 651. *Tidewater Mine.*—This mine is located on Elkhorn river at Vivian. Is a drift mine operating in the No. 3 Pocahontas vein. The ventilation is produced by three fans. One at the front of the mine, the second, inside the mine, and the third at the rear of the mine. All three fans working on one continuous current.

The ventilation was sufficient.

Gas is generated, and a fire boss is employed; every necessary precaution is taken. Drainage is good.

Doors and stoppings are in good condition. No rules were posted. This mine was reported last year as Tidewater Mine, No. 583 of the printed report.

J. H. MALSBY, Supt.

J. CAMPBELL, Mine Boss.

T. L. BOOTH, Fire Boss

BOTTOM CREEK COAL AND COKE COMPANY.

No. 652. *Bottom Creek Mine.*—This mine is located on Elkhorn river at Vivian; operating in the No. 3 Pocahontas vein.

The ventilation is produced by an exhaust fan, the intake being on the opposite side of the mountain, the air traveling through a large territory of old workings before reaching the employes. The recommendation was made, that the air current be reversed, which was done, by a new force fan being installed.

The roof was well timbered.

Gas is liberated; a fire boss is employed and every precaution is taken. Miners' oil sold by the company is used. Doors and stoppings are in good condition.

No rules were posted.

This mine was reported last year as Bottom Creek Mine, No. 584 of the printed report.

S. W. PATTERSON, Supt.

ARTHUR STURM and F. S. CARROLL, Mine Bosses.

P. A. GRADY, Fire Boss.

PEERLESS COAL AND COKE COMPANY.

No. 653. *Peerless Mine*.—This mine is situated on Elkhorn river at East Vivian. Is a drift mine and operating in the No. 3 Pocahontas vein. The ventilation is produced by a fan, and is fairly good. A steam locomotive is operated on the haulage road which is used as the return airway.

I consider this steam locomotive establishes a dangerous condition by the gases emitted.

Drainage is good. The workings were quite dry and dusty to some extent, making it necessary to be sprinkled. Kerosene oil is used.

No rules were posted. This mine was reported last year as Peerless Mine, No. 585 of the printed report.

R. G. LUTHER, Supt.

THOS. WILDON, Mine Boss.

F. R. SIMCOX, Fire Boss.

THE EMPIRE COAL AND COKE COMPANY.

No. 654. *Empire Mine*.—This mine is located on Elkhorn river at Landgraf; is a drift mine operating in No. 3 Pocahontas vein. The ventilation is produced by a fan of large proportions, producing 135,000 cu. ft of air. The ventilation is well conducted throughout the mine.

Stoppings and over casts are built of concrete. Haulage roads are kept in splendid condition. A costly and most perfect drainage exists.

Roof is good where draw slate is taken down. This draw slate is quite dangerous and requires precaution.

Some gas is liberated, a fire boss is employed, and all necessary precaution is observed.

Mr. W. D. Ord, the General Manager, is a practical mining man, and realizes the value and benefits of good conditions.

I consider the management throughout to be first-class. This mine was reported last year as Empire Mine, No. 586 of the printed report.

W. D. ORD, Gen. Mgr.

THOS. R. BARRETT, Mine Boss.

HARRY BARRETT and E. B. SCOTT, Fire Bosses.

SHAWNEE COAL AND COKE COMPANY.

No. 655. *Shawnee Mine*.—This mine is located on Elkhorn river at Eckman station. Is a drift mine; operating in the No. 3 Pocahontas seam.

The ventilation produced by fan is good. Drainage is good. No gas is

detected with a safety lamp. The oil used was satisfactory. The mine is quite dusty; but the dust is kept well sprinkled.

The coal is hauled by electric haulage.

This mine was reported last year as Shawnee mine, No. 587 of the printed report.

P. P. FLANAGAN, Gen. Mgr

P. E. BRAZEAL and MUNCY SEXTON, Mine Bosses.

EUREKA COAL AND COKE COMPANY.

No. 656. *Eureka Mine.*—This mine is located on Dans branch of Elkhorn river about one-half mile from Eckman station. Is a drift mine, operating in No. 3 Pocahontas seam. The ventilation is produced by a fan, which produces a sufficient volume of air, but the air current was not carried forward. Especially where pillar work was carried on there was no indication of any air current for long distances. Steps were ordered, taken at once, to construct brattices and to conduct the air to the working faces. The mine was quite dry, requiring the practice of sprinkling. Steam locomotives are used for haulage inside the mine. Powder was taken into the mine in kegs. No rules were posted. This mine was reported last year as Eureka mine, No. 588 of the printed report.

L. E. TIERNEY, Gen. Mgr.

CHAS. HUGHES, Mine Boss.

PULASKI IRON COMPANY.

No. 657. *Pulaski Mine.*—This mine is located at Eckman on Elkhorn river, and operates in the No. 3 Pocahontas vein. Is a drift mine and is ventilated by a fan, which produces first-class ventilation.

The air current is well conducted throughout the mine; trap doors and stoppings being in good condition.

The mine is quite dry. Where dust accumulates, sprinkling is resorted to.

The drainage is first-class. The oil used is satisfactory. All provisions of the mining laws are carefully observed.

I consider the general safety of this mine good; and the management most practical. This mine was reported last year as Pulaski Mine, No. 589 of the printed report.

PERCIVAL JOHNSON, Supt. of Mines.

J. M. SHANK, Mine Boss.

KEYSTONE COAL AND COKE COMPANY.

No. 658. *Keystone Mine No. 1.*—This mine is located at Keystone; is a drift mine operating in No. 3 Pocahontas seam. The ventilation is produced by a large and modern fan, which has been lately installed.

The ventilation is very good and well distributed. Doors and brattices are in good condition. The mine is somewhat dusty, and is sprinkled.

Kerosene oil was being used.

The drainage is good. Some gas is liberated, a fire boss is employed.

Rules were posted. Stretchers and blankets are kept on hand. This

mine was reported last year as Keystone No. 1 Mine, No. 590 of the printed report.

J. K. F. STEELE, Gen. Mgr.

GEO. B. SMITH, Mine Boss.

GEO. COOPER, Fire Boss.

No. 659. *Keystone No. 2 Mine.*—Is situated on Elkhorn river at Keystone; is a drift mine, ventilated by a fan. The fan is of a small size and produces fair ventilation, but the air current was not carried forward sufficiently to the working faces.

Entries are being driven to connect with No. 1 mine, when both mines will be ventilated by the fan at No. 1 which will be ample for all purposes.

The drainage is good. Roof is good after draw slate is down.

Kerosene oil was used. Rules were posted, stretchers with blankets are kept on hand. This mine was reported last year as No. 2 Mine, No. 591 of the printed report.

J. K. F. STEELE, Gen. Mgr.

GEO. B. SMITH, Mine Boss.

LYNCHBURG COAL AND COKE COMPANY.

No. 660. *Lynchburg Mine.*—This mine is located on Elkhorn river, east of Northfork. Is a drift mine, operating in the No. 3 Pocahontas seam. This mine is ventilated by a fan. Steam locomotives were used for haulage and traveling on the only road, which could be used as an entrance from the front of the mine.

The condition created by the smoke was such that I was unable to advance a greater distance than where I was able to measure the outlet. The inspection of the mine was postponed until a later date, when the mine was entered by a rear opening, after an extensive climbing of the mountain. The ventilation was fair, where the smoke of the locomotive did not permeate. Drainage was bad in some places. The timbering was fair.

Kerosene oil was used promiscuously. Powder was taken in the mine in kegs. Rules were posted, but not enforced. A stretcher was found on hand, but no safety lamp. Since the last inspection the steam locomotives have been dispensed with and electric haulage substituted. This mine was reported last year as Lynchburg mine, No. 604 of the printed report.

L. E. TIERNEY, Gen. Mgr.

T. W. FITZSIMMONS, Mine Boss.

POWHATAN COAL AND COKE COMPANY.

No. 661. *Powhatan Mine.*—This mine is located on the Elkhorn river at Powhatan station. Is a drift mine, and operating in the No. 3 Pocahontas seam.

The mine is ventilated by a fan which produced a large volume of air but the air current was not carried forward sufficiently to the workings.

Drainage was good. Timbering was good. Kerosene oil was used.

On the 4th cross entry there was a large accumulation of dust which was very fine and dry, and had not been sprinkled. The second opening was not available as a traveling way.

A safety lamp, and stretcher were found on hand. No rules were posted.

This mine was reported last year as Powhatan Mine, No. 605 of the printed report.

L. E. TIERNEY, Gen. Mgr.

Wm. PEARMAN, Mine Boss.

UPLAND COAL AND COKE COMPANY.

Nos. 662 and 663. *Upland Nos. 1 and 2 Mines.*—This mine is located on Elkhorn river at Elkhorn station, operating in the No. 3 Pocahontas seam. Is a drift mine, and is ventilated by fan, which produces a large volume of air, but the air current is not distributed throughout the mine. There was no proper ventilation for the rooms, which were driven the limit of distance of 250 feet without any break throughs being made.

Drainage was good. Timbering was good. Kerosene oil was used and full kegs of powder taken into the mine.

Considerable dust was allowed to accumulate, and coal was shot from the solid, combining three most dangerous practices. A door was located near the pitmouth, which was required to be open, while trips was passing through, thereby cutting off the entire ventilation of the mine for the time being. A number of good overcasts were built. These mines were reported last year as Upland Nos. 1 and 2 Mines, Nos. 606 and 607 of the printed report.

J. J. LINCOLN, Gen. Mgr.

J. A. GRANTHAM, Mine Boss.

HOUSTON COAL AND COKE COMPANY.

No. 664. *Houston No. 1 Mine.*—This mine is located on Elkhorn river at Elkhorn station. Is a drift mine, operating in the No. 3 Pocahontas seam. The ventilation is produced by a magnificent fan of large proportions, producing over 126,000 cubic feet of air. The plan of development of this mine had been changed some years ago, from the double entry system, to what might be termed a single entry system. Entries were being driven singly, a distance of six hundred feet apart, and called drive ways. These entires when connected, if connection was made from each side equally, necessitated driving 300 feet ahead of the air current.

It was necessary to secure the assistance of two additional district inspectors before the management could be induced to agree that the law would hereafter be complied with. Drainage was good.

Kerosene oil was used. The motor trips did not have a signal light on front end.

This mine was reported last year as Houston No. 1 Mine, No. 608 of the printed report.

BENJ. LEWIS, Supt.

CHRIS. KERSHAW, Mine Boss.

No. 665. *Houston No. 2 Mine.*—This mine is located on Elkhorn river, beyond Elkhorn station. Is a drift mine, operating in the No. 3 Pocahontas seam. The ventilation is produced by a fan at No. 1 mine, this mine serving as an intake for No. 1 Mine. The same method of development was in vogue, as at No. 1 mine.

Places being driven extreme distances ahead of the air current, in viola-

tion of the law. Drainage was good. Considerable dust had been allowed to accumulate, and was not sufficiently sprinkled. This mine was reported last year as Houston No. 2 Mine, No. 609 of the printed report.

BENJ. LEWIS, Supt.

GEO. GUY, Mine Boss.

CROZER COAL AND COKE COMPANY.

No. 666. *Crozer No. 1 Mine.*—This mine is located on Elkhorn river, between Elkhorn and Ennis Stations. Is a drift mine operating in the No. 3 Pocahontas seam.

The ventilation is produced by a fan and was found to be sufficient.

Drainage was good. Roof was good where draw slate is down, and timbering is needed. Kerosene oil was used promiscuously. Considerable dust was allowed to accumulate; which was not sufficiently sprinkled, full kegs of powder were found in the mine; and coal was blasted from the solid, thereby, combining three very dangerous conditions.

All other details of the law were fairly observed. This mine was reported last year as Crozer No. 1 Mine, No. 610 of the printed report.

J. R. BAILEY, Supt.

J. F. TERRY, Mine Boss.

No. 667. *Crozer No. 2 Mine.*—This mine adjoins No. 1, and is connected therewith. The ventilation is produced by the same fan, at No. 1 Mine. The air current, after circulating throughout one mine, passes to the workings of the other, which I would consider quite unfit for ventilating purposes, after having served its purpose at the first mine.

Dust was allowed to accumulate in quite large quantities without being kept sufficiently sprinkled. Full kegs of powder allowed to be taken into the mine, and coal shot from the solid.

The management and miners declared it was impossible to mine the coal before shooting at this mine; while at the Turkey Gap Mine (located but a short distance on opposite side of the valley) the management declared they did not permit shooting from the solid.

Rules were posted. Safety lamp and stretcher were found on hand.

This mine was reported last year as Crozer No. 2 Mine, No. 611 of the printed report.

J. R. BAILEY, Supt.

R. B. SMITH, Mine Boss.

TURKEY GAP COAL AND COKE COMPANY.

No. 668. *Turkey Gap Mine.*—This mine is located on Elkhorn river, at Ennis Station. Has the record of the largest output of any single mine in the district, and is a most profitable mine, on account of its natural advantages. Is a drift mine, operating in the No. 3 Pocahontas seam.

The ventilation is produced by an exhaust fan located at the rear of the mine, and creates a large volume of air but is not conducted sufficiently to the working faces. Two steam locomotives are used for haulage inside the mine and travel, on both the main intake airways, the smoke and fumes created by said locomotives, pollute the entire atmosphere of the

whole mine with the exception of a very small territory, which is ventilated from a rear opening. One of the assistant mine bosses and Mr. McQuail, Pres. of the company, volunteered the astounding information, that all smoke and gases created by the locomotive, leaked through the stoppings along the main entry and reached the exhaust fan, thereby not encountering any working places. An unheard of statement in all annals of mining. Dust was allowed to accumulate in large quantities, and full kegs of powder was found in the mine. Kerosene oil was used.

Rules were posted, but not observed. Coal was mined before shooting.

This mine was reported last year as Turkey Gap Mine, No. 612 of the printed report.

E. J. McQUAIL, Supt.

J. P. JOHNSON, Mine Boss.

CIRRUS COAL AND COKE COMPANY.

No. 669. *Cirrus Mine.*—This mine is located at Big Four Station on Elkhorn river. Is a slope mine, operating in No. 3 Pocahontas vein.

The ventilation is produced by two small fans at the top of a down cast shaft. A portion of the mine has been developed on the single entry system, the ventilation is not carried forward to the working faces.

The drainage is very bad, no effort has been made for drainage.

Brattices are in bad condition, roofing paper being used on stoppings.

Mine is dusty in only one locality. Second opening consists of a ladder up the down cast shaft.

Some gas is generated and a fire boss is employed. No rules are posted.

This mine was reported last year as Cirrus Mine, No. 621 of the printed report.

JAS. F. BROPHY, Supt.

JAS. H. BROOMFIELD AND

W. F. PURDUE, Fire Boss.

E. J. FLANAGAN, Mine Bosses.

BIG SANDY COAL AND COKE COMPANY.

No. 670. *Big Sandy Mine.*—This mine is located at Big Sandy on N. & W. Railroad. Is ventilated by two fans. Ventilation fair. Doors close automatically. Kerosene oil was used. On second inspection kerosene was still found in use, whereupon a number of employes were prosecuted and fined.

The law regarding break-throughs was not fully observed.

Proper refuge holes are not made along haulage road. No rules posted. Drainage not very good. Some dangerous loose top was found along haulage roads.

This mine was reported last year as Big Sandy Mine, No. 622 of the printed report.

D. M. WOODY, Supt.

J. C. SHORT, Mine Boss.

No. 671. *Marytown Plant.*—This mine is located on Tug river at Marytown. Operating in what is said to be the Davy No. 7 seam. Ventilated by fan. Ventilation found to be good. Drainage good. Timbering good. Miners oil used. Safety lamp and stretchers on hand. Rules posted.

This mine was reported last year as Marytown Mine, No. 623 of the printed report.

D. M. WOODY, Supt.

C. P. WOODY, Mine Boss.

MAHER COAL AND COKE COMPANY.

No. 672. *Maher No. 1 Mine.*—is located on Tug river at Twin Branch. Is a drift opening and was ventilated at time of first inspection by furnace. A fan was afterwards installed. Ventilation is good. Drainage not very good in places. Roof is good and fairly timbered. Second opening meets with requirements of the law.

No safety lamp on hand and no rules posted. Stretcher on hand.

This mine was reported last year as Maher Mine, No. 627 of the printed report.

ED. RHODEMYRE, Supt.

C. C. FULTZ AND

Succeeded afterwards by

M. J. BROGAN, Mine Bosses.

D. M. WOODY, Supt.

No. 673. *Maher No. 2 Mine.*—This is a new mine, just started shipping coal.

D. M. WOODY, Supt.

CHAS. WALTON, Mine Boss.

TWIN BRANCH MINING COMPANY.

No. 674. *Twin Branch Mine.*—This mine is located at Twin Branch on Tug river, is a drift mine, operating what is said to be the Davy No. 7 seam of coal.

Ventilation by a fan. At time of first inspection the stoppings were in such bad condition that the air current was not conducted throughout the mine. Drainage bad in places.

Miners oil sold in company store is used by the employes. Swinging doors are used throughout the mine, which turned the air very poorly. These were abolished after being so recommended.

This mine was reported last year as Twin Branch Mine, No. 628 of the printed report.

EDWARD RHODEMYRE, Supt.

J. H. GARDNER AND

Succeeded by

ALBERT LILLY, Mine Bosses.

D. M. WOODY, Supt.

JEWETT, BIGELOW AND BROOKS COLLIERIES COMPANY.

No. 675. *J. B. B. No. 1 or Hensley No. 1 Mine.*—Situated on Tug River at Clarren Station. Is a drift mine, and ventilated by furnace, operating what is said to be the Davy No. 7 seam of coal. Ventilation very deficient, could get no measurements with anemometer.

Connections was afterwards made with No. 3 Mine and ventilated by a fan. Drainage fair except at pit mouth. Top good and well timbered where needed. Oil used, was sold by the operating company which seemed of a poor quality.

No second opening obtained. Orders were given that not more than 20 men be employed until connections were made with No. 3 Mine.

A safety lamp was found on hand and stretcher, but no rules were posted.

This mine was reported last year as J. B. B. No. 1 Mine, No. 624 of the printed report.

D. M. WOODY, Supt.

JAS. HALL, Mine Boss.

No. 676. *J. B. B. No. 2 or Flourney No. 2 Mine.*—This mine is located on Tug River between Twin Branch and Marytown, is a drift mine. Ventilated by a furnace; a fan was later installed. With furnace; the ventilation was very bad. Ventilation very good after fan was installed.

Drainage fair. Roof good and fairly timbered. Miners oil sold by company was used.

No rules posted; no safety lamps on hand. Stretchers kept on hand.

This mine was reported last year as J. B. B. No. 2 Mine, No. 625 of the printed report.

EDWARD RHODEMYRE,

M. J. BROGAN, Mine Boss.

Succeeded by D. M. WOODY, Supt.

No. 677. *J. B. B. No. 3 or Hensley No. 3 Mine.*—Located on Tug River at Clarren Station, operating in what is said to be the Davy No. 7 seam of coal. Ventilated by fan but the mine was idle, not having been operated at time of first inspection since this company had taken possession, on account of construction development.

This mine was reported last year as J. B. B. No. 3 Mine, No. 626 of the printed report.

D. M. WOODY, Supt.

CHAS. PERKINS, Mine Boss.

Nos. 678 and 679. *J. B. Nos. 4 and 5 Mines.*—These are new mines. Just started shipping coal.

D. M. WOODY, Supt.

CHAS. WALTON, Mine Boss.

VAUGHAN COAL AND COKE COMPANY.

No. 680. *Cambridge or Vaughan Mine.*—This mine is located at Vaughan Station, about one mile east of Roderfield. It is ventilated by a furnace, operating what is said to be the Davy or No. 7 seam of coal. At time of first inspection, the mine was idle and furnace was dead. On second inspection the ventilation was found to be quite deficient. The company gave assurance that a fan would be installed at once. Drainage was bad. Oil used, is what is sold by company as miners oil.

No rules posted. No safety lamp on hand. Stretchers on hand.

This mine was reported last year as Cambridge Mine, No. 629 of the printed report.

MATTHEW HALL, Supt.

WALTER HALL, Mine Boss.

SUPERIOR POCAHONTAS COAL COMPANY.

No. 681. *No. 1 or Blackstone Mine.*—This mine is a drift mine located at Davy on Tug River. Is ventilated by a furnace which is entirely inadequate for the territory to be ventilated.

Drainage was good. Top fairly good and properly posted. Miners oil was used by the employes.

This mine was reported last year as No. 1 or Blackstone Mine No. 630 of the printed report.

P. J. RILEY, Supt.

F. M. COOK, Mine Boss.

No. 682. *No. 2 or Davy Crockett Mine.*—Is a drift mine located at Davy on Tug river operating in Davy No. 7 seam. Ventilated by a furnace which is inadequate.

Drainage is good. Top good and needs little timbering.

Powder taken in mines in kegs. No rules posted; no safety lamp kept on hand.

This mine was reported last year as No. 2 or Davy Crockett Mine, No. 631 of the printed report.

P. J. RILEY, Supt.

LANE HUBBARD, Mine Boss.

No. 683. *No. 3 or Helena Mine.*—This mine is located about one mile from Davy on Tug River. Is a drift mine, operating in what is said to be the Davy or No. 7 seam. Ventilated by a furnace. Ventilation fair. Drainage good. Powder was taken into the mine in kegs. No rules were posted; no safety lamp kept on hand.

This mine was later closed down on account of extensive improvements being made.

This mine was reported last year as No. 3 or Helena Mine, No. 632 of the printed report.

P. J. RILEY, Supt.

LAFE McGUIRE AND

ALF THOMPSON Mine Bosses.

No. 684. *No. 4 or Cletus Mine.*—Is located on Tug River at Davy about one half mile east of Davy Station. Is a drift mine operating in Davy No. 7 seam of coal.

Had been ventilated by a furnace. This mine was not operated since the above company had come into possession. No inspection was made.

This mine was reported last year as Cletus Mine, No. 633 of the printed report.

P. J. RILEY, Supt.

JOHN MOORE, Mine Boss.

PANDO COAL COMPANY.

No. 685. *Pando or Short Creek Mine.*—This mine is located on Tug River at Short Creek about 2 miles east of Davy; and was owned formerly by Short Creek Coal Company. Is a drift mine and ventilated by a furnace.

At the time of my first visit the mine was idle, and no inspection could

be made. Since the Pando Coal Company has taken possession, the old workings have been abandoned, and more modern openings are now being made at Antler.

Developments are in progress, to work the two veins, about 20 to 30 feet of strata between. A fan is being constructed to ventilate openings in both veins.

This mine was reported last year as Short Creek Mine, No. 635 of the printed report.

F. M. DAUGHERTY, Supt.

FRANK DOWNS AND

F. D. KNIGHT, Mine Bosses.

ANTLER COAL AND COKE COMPANY.

No. 686. *Antler Mines*.—These mines are located at Antler about three and a half miles west of Welch. Is a drift mine and consists of three openings. Operating in what is said to be the No. 7 seam of coal.

The one opening, No. 3, is ventilated by a furnace while the other two have but natural ventilation, and employing but a few men, not a sufficient number to come under the law. The ventilation in No. 3 opening was very deficient, break-throughs and stoppings neglected to such an extent that the air current was not carried forward.

Top fairly good. Drainage bad. No rules were posted. No safety lamp nor stretchers and blankets on hand. The company has given assurances that a fan will be installed at once and all recommendations will be complied with.

This mine was reported last year as Antler Mine, No. 637 of the printed report.

JAMES A. HENCHEY, Supt.

HOEY SHEPHERD, Mine Boss.

UNITED STATES COAL AND COKE COMPANY.

No. 687. This company operates eight mines on the Gary Branch of the Norfolk & Western R. R., having the offices of the company at Gary, seven miles from Welch. Four additional mines are being opened; making twelve in all. A magnificent power plant located at Gary furnishes electric power for all the mines, and coke yards, the power is generated at 6600 voltage alternating current, and is transformed, at each mine to 250 volts direct current.

EDW. O'TOOLE, General Supt.

No. 1 Mine.—Is a shaft mine, located about four miles from Welch. and operates in both the Nos. 3 and 4 veins about 80 feet of strata between. The ventilation is splendid; and is conducted to within a few feet of the working faces by the use of brattice cloth, from last break-through. Roof is good after slate is taken down. Drainage good. The mine generates some gas, but the ventilation is superb.

Rules are posted in many languages. All provisions of the mining laws are fully observed; and conditions throughout the mines are far beyond

any law requirements. The ventilation is of the quadruple and treble entry systems, with over casts and all stoppings built of concrete.

This mine was reported last year as No. 1 Mine, No. 638 of the printed report.

M. McPARLAND, Supt.

A. L. NAPIER, Fire Boss.

J. L. MULLINS AND

V. TAYLOR, Mine Bosses.

No. 688. *No. 2 Mine.*—Is located about one mile west of Gary; is a drift mine and operates in the No. 4 seam of coal. Is ventilated by a fan, ventilation is first class, far beyond law requirements. Roof is good. Drainage is good. All provisions of the law are fully complied with, and conditions far beyond law requirements. Ventilation is conducted on the quadruple and treble entry system.

On haulage road, man ways at short intervals and white washed completely, lead to an independent traveling road, which is kept in ideal condition. The haulage roads are well lighted by electricity.

This mine was reported last year as No. 2 Mine, No. 639 of the printed report.

MIKE CONNELLY, Supt.

PETER McLINDEN AND

THOS. LOUGHRAH, Mine Bosses.

No. 689. *No. 3 Mine.*—Is located at Gary; is a drift mine operating in the No. 4 seam. Is ventilated by a fan of large dimensions, creating an immense volume of air which is conducted throughout the mine by a number of splits.

Overcasts and stoppings are built of concrete. Ventilation is superb. Rules are posted in many languages. All provisions of the mining law are fully complied with, and conditions are far beyond any law requirements. Haulage roads are wide and refuge holes at short intervals are all whitewashed.

This mine was reported last year as No. 3 Mine, No. 640 of the printed report.

F. E. KING, Supt.

M. P. BRADY, Mine Boss.

No. 690. *No. 4 Mine.*—Is located at Jared about four miles above Gary, is a drift mine operating in No. 3 seam. Is ventilated by a fan. Ventilation very good. A few places were found, in excess of the legal distance ahead of last break-throughs. Roof is good after draw slate is down. All other conditions are equal to the conditions of the other mines already described.

This mine was reported last year as No. 4 Mine, No. 641 of the printed report.

JAMES HORNE, Supt.

JOHN SIZEMORE, Mine Boss.

No. 691. *No. 5 Mines.*—Are located above Jared, adjoining No. 4 Mine. Is operating in No. 3 vein of coal. Is ventilated by a fan, and the same first class system of ventilation obtains, as at the other mines already described. A few places were found where the ventilation was not carried sufficiently forward. Roof is good where draw slate is down.

Provisions of the law are fully complied with and conditions in all respect are far beyond law requirements. Overcasts and stoppings are built of concrete; and refuge holes along haulage roads are whitewashed.

This mine was reported last year as No. 5 Mine, No. 642 of the printed report.

JOHN KFARNS, Supt.

CICERO REEDY, Mine Boss.

No. 692. *No. 6 Mine.*—Is located at Sand Lick about one and a half miles above Gary and is operating in the No. 4 seam. Is ventilated by a fan of immense proportions, creating at least 600,000 cu. ft. of air or more.

Is ventilated on the quadruple and treble entry system, with overcasts with numbers of splits. Ventilation is far beyond any law requirements, as are all other conditions throughout the mine. Independent traveling roads are provided, to which man ways lead from the motor haulage roads, the entrances of which are all whitewashed.

This mine was reported last year as No. 6 Mine, No. 643 of the printed report.

J. V. RHODES, Supt.

MIKE ZURICK, Mine Boss.

No. 693. *No. 7 Mine.*—Is located at Sand Lick above No. 6 Mine. Is a drift mine operating in the No. 4 seam of coal. Is ventilated by a fan. The ventilation is splendid and all other conditions far beyond law requirements as already described at the other mines.

This mine was reported last year as No. 7 Mine, No. 644 of the printed report.

A. J. STEWART, Supt.

GEO. CASTLE, Mine Boss.

No. 694. *No. 8 Mine.*—This mine is situated at Sand Lick above No. 7 Mine and consists of two sections, A and C, which are two separate openings or mines, but the coal is taken to the one tippie.

The No. 4 seam of coal is worked at both openings. Both openings are ventilated by fans. The ventilation is very good. All other provisions of the law are fully complied with.

This mine was reported last year as No. 8 Mine, No. 645 of the printed report.

M. H. LISTON, Supt.

R. M. PITTMAN, Mine Boss at Sec. A.

K. C. BRENT, Mine Boss at Sec. C.

No. 695. *No. 9 Mine.*—This mine is located on Sand Lick about 3 miles from No. 8 Mine. Is a drift mine, operating in No. 4 seam of coal, which is found at this place 10 feet in height.

This mine is now in course of being opened.

M. H. LISTON, Supt.

S. P. DELLARD, Mine Boss.

No. 696. *No. 10 Mine.*—This mine is located about one and a half miles above Gary towards Pageton. Is just being opened, and will operate in No. 3 vein.

S. P. REYNOLDS, Supt. and Mine Boss.

No. 697. *No. 11 Mine.*—Is located about one and a half miles above Gary, opposite No. 10 Mine. This mine is just being opened. Both the No. 3 and No. 4 veins will be operated. One fan will be used to ventilate both openings.

C. C. GEIGER, Supt. and Mine Boss.

No. 698. *No. 12 Mine.*—Is located on Tug River about five miles above Pageton. Is just being opened; in the No. 3 vein of coal.

H. T. GRAHAM, Supt. and Mine Boss.

MOHAWK COAL AND COKE COMPANY.

No. 699. *Mohawk Mine.*—This mine is located on Tug River a few miles east of Panther on the Norfolk & Western R. R. the ventilation is produced by an exhaust fan.

Ventilation was found to be sufficient, brattices not in good condition.

Kerosene oil was used. No rules were posted. No safety lamp on hand. And no blankets provided with stretcher. Steam locomotive is used for haulage, which travels into the mine a good distance, being on the return air-way, which is also used for the traveling way for the employees.

The second opening meets with the requirements of the law.

This mine was reported last year as Mohawk Mine, No. 646 of the printed report.

W. T. HEATHERMAN, Supt.

W. P. FARNEY, Mine Boss.

At time of second inspection D. L. JOSEPH, Mine Boss.

WELCH COAL AND COKE COMPANY.

No. 700. *Welch Mine.*—Is located about one half mile west of Welch; is a drift mine and is ventilated by a furnace. Ventilation was badly neglected and not conducted throughout the mine. Drainage bad. Roof good, requiring little or no timbering. Kerosene oil was used promiscuously, but a number of prosecutions eradicated the practice.

No rules posted; no safety lamp kept on hand.

This mine was reported last year as Welch Mine, No. 647 of the printed report.

C. A. DEVINNEY, Supt.

JOHN L. PURDUE AND

Succeeded by F. J. BAXTER, Supt.

R. T. HOPKINS, Mine Bosses.

HEMPHILL COLLIERIES COMPANY.

No. 701. *Hemphill Mine.*—This mine is situated at Hemphill, is a drift opening and ventilated by a furnace. Operates what is known as the Welch seam of coal which is about 3 feet in height.

At the time of my visit, the ventilation was badly neglected. On a subsequent visit, the ventilation was found quite fair, but was not carried forward.

Drainage was bad. Top good. No rules posted; no safety lamp on hand.

This mine was reported last year as Hemphill, No. 648 of the printed report.

C. A. DEVINNEY, Supt.

W. F. SPICER, Mine Boss.

Succeeded later by F. J. BAXTER, Supt.

SLICK ROCK COAL COMPANY.

No. 702. *Slick Rock Mine*.—This mine is located about one half mile west of the town of Welch and operates in the Welch seam of coal. Is ventilated by a furnace which is not sufficient for the purpose. The ventilation was very poor. Drainage fair. The oil used was satisfactory.

No rules posted; no safety lamp on hand. Only a few men were employed at this mine so the mining law did not apply, until the new mining law become effective May 22, 1907.

This mine was not reported last year.

W. J. McCLAREN, Gen. Mgr.

J. E. JONES, Mine Boss.

OREGON COAL COMPANY.

No. 703. *Imo Mine*.—This is a drift mine and was ventilated by a furnace which was entirely insufficient. Ventilation being very bad. A fan was afterwards installed which produces ventilation sufficient for all purposes.

Drainage bad. Roof fairly good. Boys were found employed inside the mine only 10 and 12 years of age.

No rules were posted; no safety lamp, stretcher or blankets were kept on hand.

This mine was reported last year as Imo or No. 1 Mine, No. 649 of the printed report.

W. B. HONAKER, Gen. Mgr.

S. S. HARRIS, Mine Boss.

No. 704. *McClaren Mine*.—This company operates two mines at Hemphill about three fourths of a mile west of Welch. Is a drift mine, operating in what is said to be the Davy seam, it is ventilated by a furnace. At the time of my first visit the ventilation was found to be outrageously neglected, the mine boss, Geo. Monk, who was also performing the duty of furnace man, was found asleep outside, and no fire in the furnace.

Intended prosecution for neglect of duty was deferred on account of the company's promise to improve the management.

Drainage was very bad. Roof fairly good. Kerosene oil was used. After the second inspection, the use of Kerosene oil was abandoned, as a result of the prosecution of a number of the employes.

No rules posted. And no safety lamps kept on hand.

This mine was reported last year as McClaren or No. 2 Mine, No. 650 of the printed report.

W. B. HONAKER, Gen. Mgr.

GEO. MONK, Mine Boss.

Succeeded by S. W. FRY, Mine Boss.

PAGE COAL AND COKE COMPANY.

No. 705. *No. 1 Mine.*—This mine is located on Belchers branch of Tug River at Pageton. Is a drift mine, operating in the No. 3 vein. The ventilation is produced by a fan; and was found to be not sufficient in rooms and not carried sufficiently forward at the head of the entries.

Kerosene oil was used to a great extent. Rules were posted. Safety lamp and stretcher with blankets were kept on hand. The mine was slightly dusty.

This mine was reported last year as No. 1 Mine, No. 653 of the printed report.

SAMUEL EVANS, Supt.

J. A. GALLIMORE, Mine Boss.

No. 706. *No. 2 Mine.*—This mine is located on Belchers branch of Tug River at Pageton. Is a drift mine operating in the No. 3 Pocahontas vein.

The ventilation is produced by a fan which is very good. This mine had but one opening, available as a traveling way. Drainage was good. No gas is known to be liberated.

Rules are posted. Safety lamps and stretcher with blankets are kept on hand.

SAMUEL EVANS, Supt.

J. A. GALLIMORE, Mine Boss.

No. 707. *No. 3 Mine.*—This mine is located on Tug River proper, is a drift mine operating in No. 3 vein. Is just being opened.

SAMUEL EVANS, Supt.

J. A. GALLIMORE, Mine Boss.

BLACK WOLF COAL AND COKE COMPANY.

No. 708. *No. 4 Mine.*—This mine is located on Tug River, about one mile below Pageton. It is a drift mine operating in No. 4 vein.

This mine is being opened and no inspection was made.

It is intended by this company to open several more mines at this place.

E. C. BERKELEY, Supt. and Mine Boss.

THE MIDDLE STATES COAL AND COKE COMPANY.

No. 709. *No. 11 or Middle States Mine.*—This mine is located about two miles above Welch on Elkhorn River at Huger Station. Is a shaft mine and operating in No. 4 seam of coal. Is ventilated by a fan, which supplies abundance of ventilation. Drainage is very good. Roof is fairly good. The mine generates gas and every precaution is taken. This mine is only in course of development, a temporary tipple is being used.

No rules were posted.

HARRY CAMERON AND
C. E. F. BURNLEY, Supts.

JAS. H. COOPER AND
F. M. GOUST, Mine Bosses.
J. H. WILLIAMS, Fire Boss.

THE KING COAL COMPANY.

No. 710. *King Mine*.—This mine is situated on Laurel Creek above Kimble. It is a slope mine, operating in the No. 3 Pocahontas vein.

Is ventilated by a fan which produces splendid ventilation. Gas is generated and a fire boss is employed. Roof is good. Miners oil sold by the company is used. The general safety is good. This mine had but one opening at the time of first inspection and was only in course of being opened. Orders were given, that not more than 20 men be employed until the second opening be made.

Since then connections with Tidewater has been made. No rules were posted, and coal was being shot from the solid.

This mine was reported last year as King Mine, No. 656 of the printed report.

J. W. MALSBY, Supt.

M. FLANINGAN AND

W. H. SANFORD, Mine Bosses.

C. H. BOLLING, Fire Boss.

VIRGINIA-POCAHONTAS COAL COMPANY.

No. 711. This company operates four mines at Coalwood, situated on Clear Fork of the N. & W. railroad on a branch line about 8 miles from Gordon on main line.

No. 1 Mine.—On first inspection was ventilated by a furnace and was very deficient. On second inspection a 7-foot fan was installed. The fan produced an abundance of air but was not carried forward at all. A number of men was stopped working on account of lack of ventilation.

Kerosene oil was used promiscuously at time of first inspection. On second inspection, the oil used was what is sold the employees by operating company as miners oil which apparently produces as much smoke as kerosene. Second opening did not come up to law requirements, containing a great deal of water and was closed by a door which was fastened.

Stretcher on hand but no blankets for same. A safety lamp on hand, but no oil for use in same.

This mine was reported last year as No. 1 Mine, No. 657 of the printed report.

AARON COLLIER, Supt.

J. L. VANCE, Mine Boss

Succeeded later by

JAS. ALLEY, Gen. Mine Boss.

JOHN STEWART, Supt.

No. 712. *No. 2 Mine*.—Consists of two openings, the east and west openings. Each opening ventilated by furnace which is not sufficient to carry ventilation around the working places. Drainage was not very good. Doors were not air tight. And employees very poorly disciplined, having been in practice of leaving doors stand open.

Kerosene oil was used but the practice was abolished after prosecution was threatened. Stretcher on hand but no blankets. Safety lamp on hand but no oil for same. No rules posted.

This mine was reported last year as No. 2 Mine, No. 658 of the printed report.

AARON COLLIER, Supt.
Succeeded later by
JOHN STEWART, Supt.

F. J. BOLEN, Mine Boss.
Succeeded later by
GEO. RATLIFF, Mine Boss.
JAS. ALLEY, Gen. Mine Boss.

No. 713. *No. 3 Mine.*—Is ventilated by a furnace. Ventilation was found to be fair. Drainage not very good. Roof very good, needing little timbering. Kerosene oil was used, which practice was dispensed with. No second opening, but which was afterwards made to meet law requirements. No rules were posted. No stretchers or blankets on hand. No safety lamp provided..

This mine was reported last year as No. 3 Mine, No. 659 of the printed report.

AARON COLLIER, Supt.
Succeeded by John STEWART, Supt.

JAS. ALLEY, Gen. Mine Boss.
T. B. FISHER, Mine Boss.

No. 714. *No. 4 Mine.*—Was ventilated by a furnace. Ventilation was found to be quite fair at time of first inspection. On second inspection, a number of men were stopped on account of lack of ventilation. A fan was being installed according to instructions. Drainage was not very good. Kerosene oil was used, which practice was dispensed with upon being notified. There was no second opening at time of first inspection. But orders regarding same were afterwards complied with. No safety lamp on hand, nor stretchers or blankets. No rules posted.

This mine was reported last year as No. 4 Mine No. 660 of the printed report.

AARON COLLIER, Supt.
Succeeded by
JOHN STEWART, Supt.

JAS. ALLEY, Gen. Mine Boss.
H. H. FISHER, Mine Boss.

NEW RIVER AND POCAHONTAS CONSOLIDATED COAL COMPANY.

No. 715. *No. 1 Mine.*—Ventilated by a furnace at time of first inspection; on the second inspection by a large and powerful fan. On the first inspection the ventilation was deficient at head of entries but on the second inspection an abundance of air was provided.

Drainage was very good. Roof very good, requiring little or no timbering. Kerosene oil was used. Stoppings are all built of concrete; and overcasts at every pair of cross entries.

This mine was reported last year as No. 1 Mine, No. 661 of the printed report.

GEO. P. DANIELS, Supt.
L. EPPERLY, Asst. Supt.

H. J. REID, Mine Boss.

No. 716. The mines of this company are located at Berwind on Dry Fork about 28 miles from Leager by railroad.

No. 1 1-2 Mine.—Was ventilated by furnace and is only in course of

development. Entries are being driven to connect with No. 2 Mine when both mines will be ventilated with a large fan. Ventilation was found deficient at head of entries.

Stoppings are all being built of concrete, and overcasts of concrete at each pair of cross entries, thereby furnishing a separate volume of air for each pair of cross entries. Gathering motors are to be used in place of mules. There was no second opening as required by law.

This mine was reported last year as No. 1½ Mine, No. 662 of the printed report.

GEO. P. DANIELS, Supt.

J. W. JOHNSON, Mine Boss.

L. EPPERLY, Asst. Supt.

No. 717. *No. 2 Mine.*—This mine was ventilated with a furnace at time of first inspection, upon second inspection a fan had been installed. Ventilation was good. Top was good and very little timbering needed. The law regarding powder was complied with. Stoppings are built of brick and cement and overcasts built of concrete.

This mine was reported last year as No. 2 Mine, No. 663 of the printed report.

GEO. P. DANIELS, Supt.

A. C. REED AND

L. EPPERLY, Asst. Supt.

C. RHODES, Mine Bosses.

No. 718. *Mine No. 3.*—At time of last inspection this mine was only being opened. The main entry having been driven but a short distance. No certificate of inspection was issued.

This mine was reported last year as No. 3 Mine, No. 664 of the printed report.

GEO. P. DANIELS, Supt.

W. F. WHITT AND

L. EPPERLY, Asst. Supt.

C. RHODES, Mine Bosses.

DIXON-POCAHONTAS FUEL COMPANY.

No. 719. *North Side Mine.*—Is located at Olmsted on Elkhorn River above Huger. Is a shaft mine operating the No. 4 seam of coal. This mine is in course of development and is being ventilated by a temporary fan, which produces sufficient ventilation for all purposes at present.

Some gas is generated but it is carefully looked after. The mine produces a large volume of water.

J. P. DAVIS, Gen. Mgr.

MIKE LILLY, Mine Boss.

JED COAL AND COKE COMPANY.

No. 720. *Jed Mine.*—Is located about two miles from Welch on Gary branch. Is a shaft mine, and will operate in No. 3 vein. This mine is just being developed.

Several visits have been made to this mine, but no inspection has been made. This mine was reported last year as Jed Mine, No. 665 of the printed report.

GEO. W. BRYMER, Supt.

PETER McLINDEN, Mine Boss.

LOUIS FODER, Fire Boss.

YUKON COAL COMPANY.

No. 721. *Yukon Mine*.—This mine is located on Dry Fork branch about 21 miles from Iager. Ventilation is produced by a furnace and was very bad.

Brattices are not kept up.

Kerosene oil was used. Full kegs of powder were found dangerously near the working face, where shooting from solid was practiced.

The mine had but one opening available as a traveling way.

No rules were posted, and no safety lamps kept on hand.

HOWARD MEYERS, Supt.

BENJ. C. CORDLE, Mine Boss.

J. H. MITCHELL.

No. 722. *County Seat Mine*.—This mine only employs 3 men, consequently does not come under the jurisdiction of the mine law and for this reason was not inspected.

J. H. MITCHELL, Supt. and Mine Boss.

MERCER COUNTY.**MILL CREEK COAL AND COKE COMPANY.**

No. 723. *Mill Creek Mine*.—This mine is located on Mill Creek, a short distance west of Coopers, at east end of the big tunnel. Is a drift mine, operating in the No. 3 Pocahontas vein.

The ventilation is produced by two fans the one fan located at the front of the mine and the other at the rear. The coal is taken from two openings. Electric haulage is used in the front or main opening, steam locomotive haulage having been abolished. Steam locomotive haulage was used, in the rear or west opening, but has since been abolished. The ventilation is very good.

The barrier pillar, between this mine and the ill-fated Pocahontas West mine at Pocahontas, Va., (which adjoins) has been drawn for a considerable distance, thereby connecting the ventilation of the two mines, and in my opinion, establishes a dangerous condition in case of explosions. Drainage is good.

Roof very well timbered where required. Kerosene oil was used. The is dusty but was well sprinkled. This mine was reported last year as Mill Creek Mine, No. 666 of the printed report.

C. E. F. BURNLEY, Supt.

M. F. DIXON, Mine Boss.

COALDALE COAL AND COKE COMPANY.

No. 724. *Coaldale Mine*.—This mine is located on Elkhorn river at Coaldale; is a drift mine, operating in No. 3 Pocahontas vein.

The ventilation is produced by a fan, is very good and well distributed.

Near the locality, where the disastrous explosion occurred on January 4, 1906, in which 22 lives were lost, the ventilation was excellent. In place

of dust, existing (which had considerable to do with the cause of said disaster) that portion of the mine is now quite wet, caused by breaks in the strata after pillars have been drawn.

Drainage is good. Roof is well timbered where required. Kerosene oil is used. Coal was being shot from the solid. Safety lamps and stretchers with woolen and rubber blankets are kept on hand. I consider the condition of this mine at present, to be very good as to the general safety. Mr. Burnley, who is now in charge of the management is a careful and most competent mine manager.

C. E. F. BURNLEY, Supt.

GEO. L. SMITH, Mine Boss.

No. 725. *Tug River Mine*.—This mine is located on Tug River, a portion of it extending into Tazewell Co., Virginia. It is a drift mine, operating in the No. 3 Pocahontas seam.

The output is hauled by steam locomotives, from the mine to the tippie of Mill Creek mine. This mine has recently been opened, and at the time of inspection, had been closed down since May 1st.

No means of mechanical ventilation has yet been installed, but is intended to install a fan.

C. E. F. BURNLEY, Supt.

GEO. L. SMITH, Mine Boss.

BUCKEYE COAL AND COKE COMPANY.

No. 726. *Buckeye Mine*.—This mine is located on Simmons creek; is a drift mine, operating the No. 3 Pocahontas seam.

The ventilation is produced by a fan. Three steam locomotives are used for haulage inside the mine. The condition of the atmosphere, was such, (due to the smoke and fumes emitted from the steam locomotives) that I consider it dangerous to health to enter the mine in that condition. The management stated that the employes entered to their work before the steam locomotives were taken in the mine and returned from work after the mine ceased operation for the day.

The drainage was very bad on haulage road. Employes made many complaints of lack of ventilation. No safety lamp was kept on hand. Rules were posted at office in place of at mine. Stretchers were found on hand. This mine was reported last year as Buckeye mine, No. 668 of the printed report.

J. C. PACK, Gen. Mgr.

JOHN H. WILLIAMS, Mine Boss.

F. R. HEWITT, Supt.

POCAHONTAS CONSOLIDATED COLLIERIES COMPANY.

No. 727. *Elkhorn Opening, Caswell Creek Mine*.—This mine is located on Simmons creek, about two miles from Simmons. Is a drift mine operated in the No. 3 Pocahontas vein. The ventilation is produced by a fan, and is very bad in many places, near the workings. This mine is one of the pioneer mines of the Pocahontas field, having been in operation for a number of years during which time the management was sadly neglected, so far as ventilation was concerned. Since the present management has been assumed, it is apparent that considerable improvement has been made

in ventilation. A new fan is on the ground and will be constructed. Drainage is bad in places. Little timbering is required.

Miners and day men used kerosene oil promiscuously. Steam locomotives are used for inside haulage.

Rules are posted. Safety lamps, and stretchers are kept on hand. This mine was reported last year as Caswell creek mine, No. 669 of the printed report.

J. E. JONES, Gen. Mgr.

LEE ODHAM, Mine Boss.

No. 728. *Hemlock opening, Caswell Creek Mine.*—This mine is located next to the Elkhorn opening, the coal going to the same tippie. Is a drift mine, operating in No. 3 Pocahontas vein. The ventilation is produced by a fan, and is very poor.

The ventilation was very weak in places and not carried forward to the working places. Drainage was bad in places.

Kerosene oil was used promiscuously. The second opening or traveling way up "Hunk" hollow was not passable.

Steam locomotives are used for inside haulage, the smoke and fumes from the same are exceedingly obnoxious.

Rules are posted; safety lamps, and stretchers are kept on hand. This mine was reported last year as part of Caswell Creek mine, No. 669 of the printed report.

J. E. JONES, Gen. Mgr.

LEE ODHAM, Mine Boss.

BOOTH-BOWEN COAL AND COKE COMPANY.

No. 729. *Booth-Bowen Mine.*—This mine is located at head of Simmons creek, is a drift mine, operating in No. 3, Pocahontas vein.

The ventilation is produced by a fan, and would be very good ventilation, but for the smoke created by the steam locomotives which are used for haulage.

Drainage is bad in some places.

Kerosene oil was used promiscuously.

Safety lamp, and stretchers are kept on hand. Rules are posted. This mine was reported last year as Reliance Mine, No. 671 of the printed report.

JONATHAN P. BOWEN, Supt.

B. F. BRAY, Mine Boss.

LOUISVILLE COAL AND COKE COMPANY.

No. 730. *Louisville No. 2 and Klondike Mine.*—This mine is located at head of Flipping creek, has several drift openings, operating in the No. 3 Pocahontas vein.

The ventilation is produced by a fan, which is entirely too small for the purpose required. The ventilation was insufficient. Drainage very bad.

Kerosene oil was used. Conditions indicated very bad management and gross neglect in the past; some improvement was being made. No rules were posted.

No safety lamp on hand. This mine was reported last year as Louisville Nos. 1, 2 and 3 Mines, No. 672 of the printed report.

A. M. HERNDON, Supt.

JAIRUS COLLINS, Gen. Mgr.

ED. BUCKHANAN and J. W. MONTGOMERY, Mine Bosses.

No. 731. *Goodwill Mine*.—This mine is located at the head of Flipping creek, was owned formerly by the Goodwill Coal and Coke Company.

Is a drift opening, operating in the No. 3 Pocahontas seam. The ventilation is produced by a fan. The ventilation is fair. Drainage is good.

Kerosene oil is used. No rules were posted and no safety lamp on hand. This mine was reported last year as Goodwill Mine, No. 673 of the printed report.

A. M. HERNDON, Supt.

JAIRUS COLLINS, Gen. Mgr.

GEO. L. McNEW and J. W. MONTGOMERY, Mine Bosses.

PINNACLE COAL AND COKE COMPANY.

No. 732. *Pinnacle Northside Mine*.—Is located across from the South side opening, the coal from both openings going to same tippie. The ventilation is produced by a fan, and is very good. Drainage is very good. Machinery and equipment are first-class. Kerosene oil is used. Rules are posted; safety lamp and stretchers are kept on hand. This mine was reported last year as Pinnacle North, No. 674 of the printed report.

T. O. DEANMER, Supt.

J. L. DEWESE, Mine Boss.

No. 733. *Pinnacle South Side Mine*.—This mine is located on Pinnacle creek, is a drift mine, operating in the No. 3 seam, Pocahontas vein.

The ventilation is produced by a fan and is very good, except at head of 1st main entry. Drainage is fair.

Machinery and equipment are first-class. Kerosene oil was used.

Rules are posted, safety lamp, and stretchers are kept on hand. This mine was reported last year as Pinnacle South, No. 675 of the printed report.

T. O. DEANMER, Supt.

J. L. DEWESE, Mine Boss.

CRANE CREEK COAL AND COKE COMPANY.

Nos. 734 and 735. *Crane Creek Mine*.—This mine is located at head of Crane creek, is a drift mine, operating in the No. 3 Pocahontas vein.

The ventilation is produced by a fan and was not sufficient. The ventilation was bad on Widemouth and Mohawk entries. Drainage was good.

Machinery and equipment were first-class.

Kerosene was used. Safety lamp and stretchers are kept on hand; and rules are posted. This mine was reported last year as Crane Creek No. 1 Mine, No. 676 of the printed report.

T. O. DEANMER, Supt.

JAS. H. HUGHES, Mine Boss.

CRYSTAL COAL AND COKE COMPANY.

No. 736. *Crystal Mine.*—This mine is located on Crane Creek, is a drift mine, operating in No. 3 Pocahontas vein. The ventilation is produced by a fan, which creates a good volume, but the same is not carried forward to the workings.

The drainage was very bad. The haulage road, especially on No. 2 Main Entry side track, was the worst I ever witnessed.

Kerosene oil was used promiscuously. No safety lamp was found to be kept on hand. Powder was most carelessly handled by miners. This mine was reported last year as Crystal Mine, No. 678 of the printed report.

R. R. CAMPBELL, Supt.

J. W. HANCOCK and C. H. THOMPSON, Mine Bosses.

THOMAS COAL COMPANY.

No. 737. *Thomas Mine.*—This mine is located on Crane creek; is a drift opening, operating in the No. 3 Pocahontas vein.

The ventilation is produced by a fan and creates a large volume of air, but the stoppings are sadly neglected, and air current is not carried forward.

Steam locomotive haulage is used which travels on the intaking air way, making the ventilation very bad.

The management agreed to take steps to place steam locomotive haulage on the return air way, but was very slow to carry out the same. Drainage was good. Kerosene oil was used promiscuously. Boys less than 12 years of age were employed inside the mine.

Full kegs of powder were found in the mine. No rules were posted.

No safety lamp was kept on hand. The management has since decided to substitute electric haulage for the steam locomotive haulage. This mine was reported last year as Thomas Mine, No. 679 of the printed report.

W. J. PRITCHARD, Supt.

E. H. SIMPKINS and JAMES MCGINNIS, Mine Bosses.

WEYANOKE COAL AND COKE COMPANY.

No. 738. *Weyanoke Mine.*—This mine is located on Wide Mouth creek at Glatto; is a drift mine, operating in the No. 3 seam.

The ventilation is produced by a fan, and was very deficient at time of first inspection. The ventilation was afterwards improved and made good. Drainage was bad in places.

Electric haulage and mining has been adopted. Kerosene oil was used.

Only one opening obtained at time of first inspection. The law was promptly complied with in this respect.

Rules are posted. Safety lamp and stretchers are kept on hand. This mine was reported last year as Weyanoke Mine, No. 680 of the printed report.

ROBT. D. PATTERSON, Supt.

J. S. WOODYARD, Mine Boss.

SPRING COAL MINING CO.

No. 739. *Spring Mine*.—This mine is located on Widemouth creek, about two miles from Glatto; is a drift opening, operating in the No. 3 seam. The ventilation is produced by a fan. The stoppings are neglected, and ventilation is not carried sufficiently forward.

Steam locomotive haulage is used inside the mine. Kerosene oil was used promiscuously.

Rules were posted but not enforced. No safety lamp on hand. This mine was reported last year as Spring Mine, No. 681 of the printed report.

BENJ. MONTGOMERY, Supt.

J. H. BRAGG, Mine Boss.

PIEDMONT COLLIERY.

No. 740. *Piedmont No. 1 Mine*.—Is located at head of Big Branch on Widemouth, is a drift mine, operating in the No. 3 seam.

The ventilation is produced by a fan; and was very bad, on account of stoppings and break-throughs being sadly neglected. Drainage was bad.

Steam locomotive haulage was used. Rules posted, but no safety lamp on hand. This mine was reported last year as Piedmont mine, No. 682 of the printed report.

D. H. MORTON, Supt.

JAIRUS COLLINS, Gen. Mgr.

G. C. BURCHETT and H. M. MORRIS, Mine Bosses.

WENONAH COAL AND COKE COMPANY.

No. 741. *Wenonah No. 1 Mine*.—Is located on Widemouth creek; is a drift mine, operating in the No. 3 seam. The ventilation is produced by a fan and is very good.

Drainage is good. Machinery and equipment is good. Kerosene oil is used. Rules are posted. Safety lamp and stretchers are kept at office. This mine was reported last year as No. 1 Mine, No. 683 of the printed report. THOS. VANDEGRIFT and E. L. HARRIS, Supts.

JOHN THOMPSON and ED. LUCAS, Mine Bosses.

No. 742. *Wenonah No. 2 Mine*.—Is located near No. 1 Wenonah; is a drift opening, operating in No. 3 seam; ventilation is by furnace, and is sufficient for all purposes. Drainage is good.

Rules are posted. Safety lamp and stretcher on hand at office. This mine was not reported last year.

THOS. VANDEGRIFT and E. L. HARRIS, Supts.

W. H. RAY and ED. LUCAS, Mine Bosses.

HIAWATHA COAL AND COKE COMPANY..

No. 743. *Hiawatha Mine*.—This mine is located on Widemouth creek one mile from Glatto. Is a drift opening, operating in No. 3 seam. The ventilation is produced by a fan, and is not carried forward to the workings.

Stoppings and trap doors are in bad shape. Drainage was good. Steam locomotive haulage is used. Full kegs of powder were found in the mine and close to the working face.

Rules were posted. No safety lamp on hand. This mine was reported last year as Hiawatha Mine, No. 684 of the printed report.

W. J. ELLIOTT, Supt.

C. H. REID, Mine Boss.

THE SMOKELESS COAL AND COKE COMPANY.

No. 744. *Smokeless Mine*.—This mine is located on Big Branch of Widemouth; is a drift mine, operating in No. 3 seam

The ventilation is produced by a fan, and was fair, but fan was neglected some times in starting operation in the morning making ventilation bad at starting time. Dynamite was used exclusively for shooting coal.

Drainage was bad at second opening. Kerosene oil was used. Boys under 12 years of age were employed.

No safety lamps on hand; and no rules posted. This mine was reported as Smokeless Mine, No. 685 of the printed report.

O. N. MOOMAN, Supt.

JOHN H. SHREWSBURY, Mine Boss.

PAWAMA COAL AND COKE COMPANY.

No. 745. *Pawama Mine*.—This mine is located on Widemouth creek at Matoaka; is a drift opening, operating in the No. 3 seam.

The ventilation was produced at the time of first inspection by a furnace which was entirely insufficient.

No measurements of the air current could be obtained anywhere in the mine, except at intake and outlet. No movement of the air current could be detected by the naked light.

The atmosphere was very smoky, and decidedly injurious to health. Many employes complained of the condition of the atmosphere. Full kegs of powder were found in the mine. Kerosene oil was used.

No rules were posted. No safety lamp, or blankets, (except a rubber blanket) was on hand. Very little attention was given to mining laws.

The mine was considered decidedly injurious to health and dangerous to life.

The company was given the necessary notice that an injunction would be applied for before the circuit court of Mercer county at Princeton on Wednesday, November 14th, 1906.

Attorney E. C. Marshall of Welch, McDowell county, was employed as counsel for this department. A damage case, against the Deepwater railroad was occupying the attention of the court, when our petition was presented. Judge Ritz presiding. The court postponed the hearing of our petition for 10 days, giving as reasons that the court would be busy for several days with said railroad case and that a member of the counsel for the company would be absent, on a business trip. Notwithstanding that the mining law provided a hearing at once.

We appeared again, before the court, with counsel, when the time of postponement had expired. The counsel for the company was permitted to

present their answer by ex-parte affidavits, and requested our complaint to be presented in like manner.

The court finally agreed to allow our case to be presented from the witness stand and that the company's witnesses should be cross-examined by counsel of this department. The witnesses for the company included the Gen. Manager, Mr. Parrott, the Mine Superintendent, Mine Boss, several mining engineers, a miner, employed in the mine and a Mr. Strother, inspector for the Pocahontas Coal and Coke Company. The substance of the testimony of said witnesses was to the effect that said mine was in first-class condition in every respect, and ventilation much better than law requirements. At time of inspection, the mine superintendent had acknowledged the lack of ventilation, and admitted his inability to keep men employed and expressed his gratitude to have the mining department's assistance to induce his company to install a fan. The mine boss fully admitted the lack of ventilation at the time of my inspection.

The Inspector for the Pocahontas Coal and Coke Company testified in court, that he was obeying instructions, received from the chief engineer of said company, (Mr. Rawn).

It was learned afterwards, that the miner who furnished an affidavit testifying to the good condition of said mine, had applied for employment at a near by mine giving his reasons of lack of ventilation at said Pawama mine. The court dismissed our petition, without granting any relief. The company at once constructed a fan. This mine was reported last year as Pawama Mine, No. 686 of the printed report.

J. C. STRAS, Supt.

J. W. YOUNG, Mine Boss.

CEPHUS COAL COMPANY.

No. 746. *Cephus Mine*.—This mine is located on Crane creek; is a drift opening, operating in the No. 3 Pocahontas seam.

The ventilation is produced by a furnace and is not sufficient. Drainage is fair. No safety lamp, or stretchers was found on hand. No rules posted.

No attention had been given to mining laws. This mine was reported last year as Cephus Mine, No. 687 of the printed report.

W. M. SHANDS, Gen. Mgr.

J. A. HARVEY, Mine Boss.

P. J. VIGLIANI, Supt.

APPENDIX.

APPENDIX.

KEYSTONE COAL & COKE COMPANY, *Explosion, July 2, 1906.*

The Keystone mine is located at Keystone, McDowell County, on the line of the Norfolk & Western Railway; and operates in the Pocahontas No. 3 coal bed.

On the morning of July 2nd the assistant mine foreman was conducting two men through the mine with the purpose of permitting them to make a selection of a place to work.

In conducting the men through the mine he took them into the First Cross entry which had not been in operation for a number of weeks. The entry had a number of heavy falls of the roof and to have resumed mining coal in this entry would have necessitated a week's time in which to remove the fallen material. The entry was known to liberate explosive gas in small quantities, and to use an open lamp within the entry before making an examination with a safety lamp was well known to be ill advised.

In advancing up this entry the open lamp carried by the assistant mine foreman ignited the gas and an explosion followed which killed him and his two companions. The explosive flame confined itself to the entry but the force of the expansion caused many stoppings to be blown down along the main entries, and the force was sufficient to tear off the wooden covering of an electric motor on the main entry and reduce it to many small fragments, one of which flying fragments struck the motor runner and penetrated his skull, causing his death four days later, thus making a total of four killed by the explosion.

Respectfully,

JAMES W. PAUL,
Chief of Department of Mines.

Charleston, W. Va.

DIXON-POCAHONTAS FUEL COMPANY, *Gas Explosion July 19, 1906.*

The Dixon-Pocahontas Fuel Company while engaged in sinking a shaft about 3 miles east of Welch, in McDowell County, encountered gas before the coal bed was reached.

On July 19, 1906, while the workmen were descending in the bucket the open lamp carried ignited the gas, the flame of which came to the top of the shaft.

The hoisting engineer, seeing the flame, immediately raised the bucket to the surface and found one man in it, four others having fallen to the bottom of the shaft and being instantly killed.

To prevent a repetition of such a disaster the shaft was equipped with a small ventilating fan.

For a list of persons injured and killed, see pages 217 and 229 of this report.

Respectfully,

JAMES W. PAUL,

Chief of Department of Mines.

Charleston, W. Va.

PULASKI IRON COMPANY,
Powder Explosion, December 14, 1906.

At the Pulaski mine at Eckman, McDowell County, a car load of about 400 kegs of powder had been unloaded into four mine cars and was being hauled to the magazine by an electric motor attached to the cars.

The men who had been engaged in unloading the powder were riding on the mine cars, some on the kegs of powder.

Just as the trip of cars was passing a tenement house the powder exploded, due to the electric current forming an arc with some of the powder cans.

One woman was by a window within the house and another woman was in the yard near the house at the time of the explosion. The house was demolished and the women and the men on the trip of cars so badly burned that the two women and four of the men died, one man dying while en route to the Miners' Hospital at Welch and the others dying at the Hospital. For a list of the persons killed and injured, see pages 217, 218 and 230 of this report.

Respectfully,

JAMES W. PAUL,

Chief of Department of Mines.

Charleston, W. Va.

PENCO MINE EXPLOSION.
January 26, 1907.

See Plate I.

The Penco Mine is operated by the Pennsylvania Consolidated Coal Company and is situated at Lorentz, Upshur County, W. Va., on the line of the Baltimore & Ohio Railroad. A map of this mine is herewith exhibited on plate I.

This mine consists of two drift openings driven in the coal, which is known as the Red Stone coal bed. One opening affords a haulage way for the mine cars and the second opening answers the purpose of a traveling way and an air course, the fan at the opening being elevated and permitting persons to pass under it and through a door to the outside.

This mine exploded on January 26th, 1907, at 6:30 P. M., causing the death of twelve persons, all that were within the mine at the time.

Only two of the persons killed were burned, the others having died

from the effects of the afterdamp. Those who were burned were found on the No. 2 Main entry and it appears that they may have been on the No. 1 main entry at the moment of the explosion, and in their confusion walked into the No. 2 main.

The seat of the explosion appeared from the conditions within the mine to have been on the main No. 1 entry about 100 feet from the face of the entry and may have been the result of the explosion of a powder flask and a 25 lb. keg of powder at this point.

At this point "A" the remains of a powder flask and powder keg were found and off some distance was found a tube containing some squibs which are used by the miners in igniting the powder within their shot holes.

About 250 feet from the face of the Main No. 1 entry we found the bodies of seven persons, all of whom, excepting one, had abrasions on the hands and faces, which were nothing less than scars inflicted by the persons running in darkness and colliding with the coal on the ribs of the entry.

The body found on the 3rd left had no marks of burns or violence and appeared to have died at his working place.

In the vicinity of the point "A" the ribs and roof of the entry were covered with a thick deposit of charred dust which diminished towards the First Right entry, none having been observed at the face of the No. 1 Main entry.

Six of the seven men found on the No. 1 main entry worked at the faces of the Main heading, air course and the Third Left. The seventh was a young man who was engaged as a car pusher, and it appeared from the surrounding circumstances that this car pusher may have been experimenting with the powder flask on the entry and accidentally discharged the keg of powder.

There was a sufficient quantity of fine coal dust on the Main No. 1 entry to propagate the flame of the powder as far out as the mouth of the No. 2 Main entry.

From the No. 2 Main entry to the mouth of the mine there was no evidence of heat or flame.

Had the explosion been due to the presence of fire damp (Methane gas) the air current moving into the First Right would have been sufficiently charged to have permitted the explosion to go up this entry and inflict burns on the two bodies found on this entry, but they were not burned.

A careful examination of this mine on the day following the explosion failed to disclose the presence of any explosive gas, although at times prior to the explosion it is stated that gas was given off in inappreciable quantities.

This accident emphasizes the extreme danger of permitting black powder to be exploded within a mine where its flame may have sufficient intensity and length to inflame the dust.

The Coroner's jury which viewed the remains of the victims of this explosion, after taking the testimony of various persons and the District Mine Inspector rendered the following verdict:

State of West Virginia,

County of Upshur, to-wit:

An inquisition taken at Lorentz, in the County of Upshur, on the 27th day of January, 1907, before James Dailey, a Justice of the Peace, of said county, upon the view of the bodies of Glen Miles, Charles Bauserman, Bruce Johnson, Asberry Bailey, H. H. Fox, Antonio Rich, Joe Alluni, Joe Capriette, Dominik Pochich, Louis Mosper, Nedz Lester and Nedz Capriette, there lying dead, the jurors sworn to inquire when, how and by what means each of the said parties, Glen Miles, Charles Bauserman, Bruce Johnson, Asberry Bailey, H. H. Fox, Antonio Rich, Joe Alluni, Joe Capriette, Dominik Pochich, Louis Mosper, Nedz Lester and Nedz Capriette came to their death; upon their oath do say, that the said (naming them) came to their death at Lorentz, Upshur County, West Virginia, on the 26th day of January, 1907, by the careless handling of powder on their own part and in violation of the rules of the Pennsylvania Consolidated Coal Company.

JAMES DAILEY, *Justice.*

W. P. FOWKES,

CHAS. WEST,

M. L. WEST,

G. W. SWISHER,

ARTHUR REESE,

A. BARGERHOFF.

The two succeeding grand juries of Upshur County found misdemeanor indictments against Floyd Gandy, the Superintendent of the mine, but the court each time nollied the indictment.

Respectfully,

JAMES W. PAUL,

Chief of Department of Mines.

Charleston, W. Va.

THE STUART MINE EXPLOSION.

January 29th, 1907.

See Plate II.

The Stuart mine is located at the terminus of the White Oak Railway in Fayette County about three miles south of Fayetteville, the County Seat, and is operated by the Stuart Colliery Company.

The opening to the mine consists of a four compartment shaft 585 feet deep; one compartment being used for piping and wires; two for hoisting ways and air ways and one for an air way leading direct to the fan.

For the purpose of securing a second opening to the mine to meet the requirements of the State law, the original intention was to connect the underground workings of the Parral mine, distant about 6000 feet between the shafts. Work to that end was in progress in both mines at the time of the explosion and was being pushed with much vigor, but the connection was needing between 800 and 1000 feet of entry.

The coal within the mine is known as the Sewell bed or New River

coal of the New River-Pocahontas coal series and has a thickness averaging 4 feet 4 inches.

A few months prior to the date of the explosion there had been installed for the purpose of ventilating the mine a modern 18 ft. Capell fan which was capable of properly ventilating a mine many times the size of the mine at the time of the explosion.

The development of the mine, as may be observed by consulting the map, had been confined principally to the driving of entries, but at the time of the explosion work had been suspended in some of the entries and some rooms were being driven, while there was ample room for the driving of many additional rooms.

The condition of this mine previous to the explosion, as reported by the District Inspector for the State, may best be known by quoting from the reports made by the inspectors.

In his annual report for 1906 the inspector says, "There is a slight generation of gas in the advanced operations of this mine but is carefully bratticed and cared for under the usual practical conditions. The roof in this mine is of a very free and weak character making it extremely difficult to keep the air courses clear. Extra precautions are being put into effect to maintain the airways which under the conditions are necessary. This mine is damp throughout. The powder and oil laws are well enforced. The temporary equipment such as head house, tipples, cages, etc., are all being replaced by substantial and permanent equipment. This mine with its present equipment, development, and with a full force *can* produce 500 tons per day.

There is no second opening to this mine."

It will be observed from the above that the mine gave off gas in the advance headings but which was properly taken care of by the ventilation.

As to the daily capacity of the mine being 500 tons, this is problematical, being based upon the extent of the development and the opportunity to obtain available working places and a full coterie of men, other conditions being favorable for the maximum possibilities as a producing mine.

The Inspector in two subsequent reports, the later one being under date of December 21st, 1906, reported the mine in a safe condition. The certificate of inspection for the last gave:

"Ventilation, good.

Drainage, O. K.

Timbering, O. K.

Machinery, O. K.

Gases, a slight generation in Parral heading.

Oil used, O. K.

General safety, O. K. except as to guards at shaft landing."

"Recommendations: Guards to be placed at landing; Parral entry to be sprinkled; an extra door placed on 2nd left to be used in case of emergency."

"Remarks: Very substantial improvements have been made at this mine, such as new head house, cages, etc., and cleaning out air courses.

The connection to Parral is pushed night and day."

The Inspector in his report upon the Parral mine under date of December 22nd states "that a part of their men work by night, also the same applies to Stuart." A total of 30 men were reported as being employed on the two shifts in the Stuart mine, and in his sworn statement related that on his inspection of the mine he found only 18 persons within the mine.

On the day of the explosion, from testimony given, it is apparent that there were about 100 persons employed within the mine, but just prior to the explosion two cage loads of men were taken out of the mine, leaving about 85 or more persons within the mine at the instant of the explosion, all of whom were killed.

The mere fact that at the time of the explosion there were 85, or more, men within the mine does not account for the occurrence of the disaster, but such a number being within the mine was in violation of law. For a similar violation the officers of the operating company were at the time under indictment in the criminal court of Fayette county.

Had the Inspector been aware of this violation of the law, under the ruling of the Attorney General, he could have appeared before a Grand Jury and asked for an indictment, in the event of the mine being in a safe condition, and in the event of finding it in an unsafe condition he could have asked for an injunction to restrain its operation until the dangers were abated.

It developed in the investigation made after the explosion that on December 20th and 21st a sufficient number of employes were forbidden to enter the mine so as to reduce the number to 20 persons, for the reason that the Inspector, having visited nearby mines a day or two previously, was expected to visit and inspect the Stuart mine.

No denial has been made by the officials of the operating company that there was a greater number of persons being employed within the mine than is permitted by law, in the absence of a separate second outlet from the workings of the mine.

On February 8, 1906, within less than a year an explosion occurred within the adjoining Parral mine resulting in the loss of 23 lives. In this explosion 12 persons were rescued.

This Parral explosion appears to have resulted from the sudden liberation of marsh gas occasioned by a fall of the roof in an entry, which gas was ignited by open lights onto which the gas was conducted by the ventilating current.

As to the probable cause of the Stuart explosion, it may not be amiss to relate some of the conditions existing just prior to the explosion.

Two or three hours prior to the explosion, while in the act of hoisting a loaded car up the shaft, the car moved from its position on the cage and caused a wreck in the shaft, tearing out several timbers and breaking the guides.

The work necessary for the repair of the shaft timbers required about two or three hours, during which time no coal was raised and the miners succeeded in filling most of the available cars within the mine. The major part of the mining was let to contractors who had employed assist-

ants, known as back hands or loaders, who were paid daily wages, while the contractors were paid by the car.

The enforced idleness of the loaders occasioned by the wreck in the shaft becoming a burden of expense upon the contractors, the loaders were dismissed for the day.

These loaders had evidently quit work and repaired to the bottom of the shaft with the purpose of ascending the shaft, and were followed by the contractors, drivers and trapper boys. The greater majority of the bodies were found near the bottom of the shaft.

Few, if any, of the loaders were found at or near their regular working places.

In only one instance did the circumstances indicate that three men engaged in operating a mining machine were at the face of a working place at the time of the explosion, and they had traveled several hundred feet before being killed by the after gases.

In one instance the body of a man, Dick Lee, was found, badly burned, within the entrance to his room, which was only twenty-four feet long.

All the after effects observed would lead to the belief that Dick Lee upon entering his room with an open lamp had ignited a body of gas which resulted in the explosion.

Some speculation has been had upon the probability of Dick Lee's having fired a shot at the face of his room which may have blown out and caused the explosion, but there was not the slightest evidence that such shot had been fired.

In the Dick Lee room, No. 4, there had been drilled three holes in the face of the coal, in each of which was found considerable quantity of the auger drillings. Immediately under the outer end of each hole, and on a plumb line, were found conical piles of the drillings. Had any part of the face of the coal been blown away by a blownout shot, the conical piles of drillings would have indicated the portion of the hole that may have been destroyed by the shot.

Had Dick Lee, who had 24 years' experience within coal mines, been in the act of firing a shot in this room his judgment would have told him that it would be next to suicidal to remain within the room and within range of the shot while it was being discharged.

The explosion evidently was caused by the ignition of gas and its propagation throughout the various parts of the mine was to some extent aided by the presence of coal dust. The mine in a number of places was damp and wet and in a number of places was quite wet, but the force, and in most cases the heat of the explosive wave, passed over these wet zones.

The evidence of greatest force was manifested at the bottom of the shaft where many of the bodies of men were mutilated, dismembered and burned, and it is within reason to conclude that some of the men congregated here had in their possession some explosives which were the cause of the frightful dismemberment of some of the bodies.

The general plan of the workings of this mine is shown on Plate II.

As to the physical condition of the mine after the explosion, the timbers and guides in the shaft were badly disarranged as well as the air brattice leading down the shaft.

From the 29th of January at 1:25 P. M. until 8:30 P. M. on February 1st the time was consumed in getting the cage to within 18 feet of the bottom of the shaft.

Prior to this time, by means of a bucket, nine bodies had been removed from the bottom of the shaft.

By 10 A. M. on February 2nd the temporary brattice had been completed to the bottom of the shaft, and during the day sufficient bodies were recovered to make the total reach 56.

Upon leaving the bottom of the shaft and going to the West on the Parral entry the roadway for 400 or 500 feet is wet and muddy. The posts standing along this distance have a deposit of thick mud blown against the sides opposite the shaft, and a trip of cars near the shaft has mud, sticks and fine coal accumulated on the end opposite the shaft.

At the face of the Parral entry the workings were in a roll or fault. In this fault was a hole $1\frac{1}{2}$ in. by 3 ft. which had not been charged. A showing of gas was had at the face.

On the left rib some charred dust was present on the slate. Some canvas brattice remained hanging near the face of the entry. Props had charred dust on side facing shaft.

On the air course to the Parral entry the canvas was blown down and the props had on them some charred dust. Gas was found 15 feet from the face.

On the Parral entry at the last breakthrough were found three dinner pails and a coil of fuse which had been burned.

On the parting on Parral entry between second and third left were standing six loaded cars, the inby end of car being stoved by a force coming from the face of the entry. Under the second car from the face a mule had its head imprisoned. The harness from this mule was distant from it 10 feet toward the face of the entry.

A second mule was found about 100 feet outby the first with its harness off and 10 or 20 feet outby the mule.

The force appears to have traveled up toward the face of the Parral air course and returned out the Parral entry.

On the third left off Parral entry there was much evidence of a force having come out of the entry.

The coal in room No. 2 had been undercut across the face but had not been shot down. The cuttings were heavily charred as well as a post at the face.

In room No. 3 the coal had been undercut but not shot down. The cuttings were covered with charred dust.

In room No. 4 there were four standing props and one prop which had been knocked from its position. Near the face were two additional props lying on the pavement. This room was 24 feet deep and is known as the Dick Lee room. The ribs and face of the room were covered with charred dust, and the standing posts had charred dust on the inby sides.

A steel mine car was sitting diagonally across the track at the mouth of the room and on the side facing the breast of the room was a heavy deposit of charred dust.

Alongside of this car was found the body of Dick Lee badly burned. On

three different examinations gas was found in this No. 4 room, prior to the establishing of the ventilating system of the mine.

At the breakthrough just outby No. 4 room a steel mine car was standing parallel with the entry having the outby end bulged toward the Parral entry.

It is quite probable that Dick Lee upon returning to his room, after an absence for sometime, ignited the gas upon entering his room, causing the explosion.

On the second left off Parral entry, in rooms 6 and 8 there was found charred dust on the ribs, props and pavement.

Passing over to the east side of the mine, the second right was examined. About 100 feet beyond room No. 12 heavy falls of roof were encountered and gas was indicated in the safety lamp.

A great quantity of slate had fallen along this entry. Little evidence of heat or char was found in this entry beyond room 4, except at the face of the entry where the props and ribs had charred dust on inby exposures.

In room No. 11 some charred dust was observed on props and ties on inby exposures.

In room No. 10 gas was found 60 feet back from the face.

In room No. 6 some canvas was found in place, and unburned matches were found along the track, but no evidence of heat.

First Right on East Side.—This entry had not been working and had many falls of the roof.

Could not advance beyond room No. 4 on account of the presence of gas.

Third Right on East Side.—No evidence of gas or heat in this entry. There were many falls of roof encountered.

The Main East.—Such props as were blown down had been carried by a force to the east, or away from the shaft. On the Main East, near the 3rd Right, some standing props had charred dust on exposures toward the shaft. Into one of these standing props had been driven the blade of a miners' shovel, the force having been exerted towards the East.

On the Main East, about 75 feet beyond the 3rd Right, a door was hung and the explosive force broke a piece out of the top of the door which measured 3 feet by 2 feet. The jamb of the door was moved eastward by three inches, and the recoil forced the remaining part of the door through its frame in a direction opposite to the direction in which the door was intended to open, and the door was held so tightly that it could not be opened by the ordinary means.

Third Left on East Side.—The door at the entrance to the entry had not been disturbed. On the main entry, outside of the door, was found one man and just inside of the door were found two men, all of whom had been engaged in operating a mining machine in room No. 7 on this third left entry. Their dinner pails and coats were found in No. 7 room. They had evidently been at work in the No. 7 room at the time of the explosion and had endeavored to reach the shaft. These are the only persons who appeared to have traveled any distance after the explosion.

There was no evidence of heat in this entry. A trip of 7 loaded cars just inside of the door was standing on the track. The front car had on

its outby bumpers some sticks of wood, coal and slate which had been blown there by the force of the explosion.

Parts of this entry were wet, and at the face there were 8 to 13 inches of water back for a distance of 100 feet.

In room No. 7 was a mining machine which had just entered the coal. In the left corner of the room was a pool of water.

There was no gas or sign of heat found in this room.

The stoppings on the third left were blown onto the third left by a force coming from the second left.

Second Left on East Side.—The door at the entrance was not blown down. Inside of the door about 60 feet was a parting on which were 7 loaded cars.

On props by the cars was some charred dust on inby exposures.

The entry for 100 back from the face had accumulations of water.

In a room turned 100 feet back from the face of the entry some slack coal had deposit of charred dust.

Near the mouth of the room was found a flask of powder unexploded.

No gas was found on this entry or in any of its rooms.

In room No. 2 and 50 feet from the entry the outby exposures of posts had on them charred dust.

First Left on East Side.—There was no disturbance in this entry, but some falls of the roof.

No gas was found on this entry. Sections of this entry and some of the rooms were wet.

In room No. 8 were found two flasks full of powder and one dinner pail. Live gnats were found within this room, also inside of the dinner pail.

Dip Entry off No. 1 Left on East Side.—This entry had a body of water collected and gave indications of gas.

For sometime after the explosion the mine gave evidence of much gas in the absence of ventilation, but after the ventilating system had been fully restored and the mine placed upon working conditions the gas failed to indicate its presence by the use of a safety lamp.

The Parral entry, being in a fault at the time, it may be that an extraordinary volume of gas may have been liberated, or that under some influence the strata may have taken a "breathing spell" and liberated a large volume of gas.

This mine is being carefully watched by the Mining Department and if gas is found safety lamps will be brought into requisition for lighting purposes.

Safety explosives will be used exclusively within this mine as a further preventive.

Up to the date of this explosion, no mine disaster within the State has claimed so many victims.

(Note:—The second right entries on the west side were not examined for the reason of water having collected and making it impossible to enter.

After the water was pumped out the body of a man was found in this entry.)

The character of coal produced by this mine is known as semi-bitumin-

ous, coking and smokeless coal, and the chemical analysis of this coal is approximately:

Moisture .....	.69
Volatile Matter	23.95
Fixed Carbon	72.04
Ash	3.32
	<hr/>
	100.00
Sulphur .....	.74
Phosphorus .....	.008

At Parral, on March 2nd, 1907, Mr. J. P. Staton, J. P., convened a Coronor's Jury and took the evidence of many persons touching upon the probable cause of the accident, and the Jury rendered the following verdict:

"We, the Jury, find that Frank Loving and others, a list of which is here attached, came to their death by a gas and dust explosion in Stuart Mine on 29th day of January, 1907.

This, the 2nd day of March, 1907.

(Signed.) R. H. DICKINSON,
THOS. WHARTON,
S. D. TAYLOR,
J. L. JOHNSON,
O. B. LIVELY,
A. C. POOLE.

A list of the persons killed in this accident will be found on pages 213, 214 and 215 of this report.

All the foregoing is respectfully submitted.

JAMES W. PAUL,
Chief of Department of Mines.

Charleston, W. Va.

THOMAS MINE EXPLOSION.
February 4th, 1907.

See Plate III.

The Thomas No. 25 mine is located at Thomas, Tucker County, on the West Virginia Division of the Western Maryland Railroad and is operated by the Davis Coal & Coke Company. The mine has a drift opening at tipple height, and the coal operated is the Upper Freeport which has the following section:

Black draw slate roof			
Coal	18	inches	
Boney coal	5	"	} 19 " rejected.
Coal.....	5	"	
Boney coal	3	"	
Coal.....	5	"	
Black slate	1	"	

Coal	7	"
Slate	1	"
Coal, clean,	38	"

83 inches.

This coal has the following proximate analysis:

Moisture49
Volatile Matter	22.71
Fixed Carbon	70.62
Ash	6.18

100.00

Sulphur52
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Phosphorus01
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On Monday morning, February 4th, 1907, at about 6:30 o'clock, an explosion occurred within this mine which killed 24 persons. The Superintendent of the mine lost his life after the explosion by advancing too far into the after damp, making a total of 25 lives lost.

Upon investigation it appears that about 18 to 20 hours previous to the explosion the fan was stopped by reason of an accident to the electric equipment,—the fan being driven by an electric motor

It further developed that on the morning of the explosion the fire boss did not make an examination of the workings of the mine, although he was at the mine at the time the workmen entered the mine.

The mine was liberating gas, especially in the Smith heading and the 3rd Left off the Smith heading.

Only three workmen had reached their working places when the explosion occurred.

During the idleness of the fan the gas had collected on the Smith and the 3rd Left off Smith heading and as the two workmen entered the 3rd Left their open lamps ignited the gas which resulted in an explosion.

In the third room on the 3rd Left off Smith's entry there was found an air punching machine on a truck. On this truck and inside of the socket of the machine plunger was found granules of charred dust.

At the mouth of the 4th Left off Smith's entry there was some charred dust on the ribs of the coal.

Evidence of charred dust throughout the mine was negligible, although the dust may have been a factor in the propagation of the explosive wave.

On the North heading just opposite the 4th Left two bodies were found, badly burned, and at this point parts of two powder flasks were found which bore evidence of having been exploded.

The Superintendent, Jones, against the advice of his comrades, proceeded along the 4th Left off the Main entry and was overcome by the after gases at a point within fifty feet of daylight.

This is the first explosion in which over three lives have been lost that has occurred within a mine in the State operating in the Upper Freeport Coal, and it appears to have been caused by the ignition of a body of standing gas.

From the past experience in mining in this County it would appear that the coal dust does not easily lend its aid in the propagation of an explosion in the absence of an appreciable quantity of explosive gas.

The writer personally examined this mine after the explosion occurred and observed many conditions which had not been disturbed after the explosion.

Two District Inspectors went to the scene of the explosion and remained until after the hearing before the Coroner's Jury.

In his report upon the explosion, Mr. J. F. Bratt, Inspector of the district in which the mine is located, said, "In regard to the disaster at Thomas, I am satisfied it was a gas explosion. The accumulation of gas was caused by the fan not being in operation for at least 18 or 20 hours,—from some time on Sunday until after the explosion on Monday morning. I am satisfied that the mine was not properly examined by the fire boss on Monday morning before the men started into the mine to work. None of the dead bodies were found in their working places. I think the initial point of the explosion was in the Third Left heading off the Smith heading, and came out to the Johnson heading and thence down the Johnson heading to the North heading and in the Third Butt heading off the North.

It also extended from the Johnson heading up the Smith heading and up the air course of the 2nd Left heading and down the 2nd Left heading.

The force of the explosion was greater in the 2nd Left than anywhere else,—the bodies found on these headings were badly burned. It is my opinion those men going to their work in the 3rd Left heading off the Smith ignited the gas by simply walking into it with their naked lights."

In his report upon this explosion, Mr. F. E. Parsons, Mine Inspector, said: "From the conditions found on the inside of the mine and from the positions and conditions of the bodies which I assisted in recovering, and taking from the mine, and from all other indications, would judge it to be a typical explosion of gas, which was found to be generating near the face of the Third Butt air course off the Smith heading. The accumulation of the same was caused by the ventilating machinery not being in motion for a period of time which we could not definitely establish by the testimony available, but which, in my judgment, was not less than thirty hours. Ignition of same was caused by an open light carried by one of the miners."

A coroner's Jury was impaneled to take testimony upon matters relative to any neglect that may have been responsible for the explosion, and after hearing the evidence the following verdict was rendered:

State of West Virginia,

Tucker County, to-wit:

An inquisition, taken at Thomas, in the county of Tucker, on the 8th to 12th, days of February, 1907. W. A. Jones, Justice of the Peace, acting as Coroner, upon the view of the bodies of: Tom Polowicz, Frank Polowicz, Felix Julian, Charles Panepinte, Oscar Allen, Vincent (or Jim) Eottler, D. R. Jones, John Sabosky, Constantine Karlis, Paul Herock (or

Halotine), Joe Beziac, (or Bisyank), Frank Shavich (or Sholatis), Frank Beziac (or Bizerk), Adam Bermuda, Joseph Arcari, Tony Scarponi, John Scarponi, Sullivan Liberti, Patsy Douglas (or Danjelas), Ralph Dandrea, Frank Ferrin, Harry Lastrappo, Ernest Benumento, John Serpone and Jack Stucine, there lying dead.

The jurors sworn to inquire when, how, and by what means said Tom Polowicz, Frank Polowicz, Felix Julian, Charles Panepinto, Oscar Allen, Vincent (or Jim) Bottice, D. R. Jones, John Sabosky, Constantine Karlis, Paul Herock (or Halotine), Joe Beziac (or Bisyank), Frank Shavich (or Sholatis), Frank Beziac (or Bizerk), Adam Bermuda, Joseph Arcari, Tony Scarponi, John Scarponi, Sullivan Liberti, Patsy Douglas (or Danjelas), Ralph Dandrea, Frank Ferrin, Harry Lastrappo, Ernest Benumento, John Serpone and Jack Stucine came to their death, upon their oath do say:

We, the jury, find from the evidence taken before us that on the 4th day of February, 1907, an explosion occurred in mine No. 25 of the Davis Coal & Coke Co. located at Thomas, Tucker County, W. Va., whereby the following named persons came to their death: Tom Polowicz, Frank Polowicz, Felix Julian, Charles Panepinto, Oscar Allen, Vincent (or Jim) Bottice, D. R. Jones, John Sabosky, Constantine Karlis, Paul Herock (or Halotine), Joe Beziac (or Bisyank), Frank Shavich (or Sholatis), Frank Beziac (or Bizerk), Adam Bermuda, Joseph Arcari, Tony Scarponi, John Scarponi, Sullivan Liberti, Patsy Douglas (or Danjelas), Ralph Dandrea, Frank Ferrin, Harry Lastrappo, Ernest Benumento, John Serpone and Jack Stucine

And we, the jury, upon the evidence before us find the deceased came to their death by gas explosion, which gas accumulated through the ventilating machinery not being in motion, and the following parties are responsible for the same:

Arthur Stewart, as fire boss, to the extent as that on entering the mine on the morning of February 4th, 1907, he failed to see that the ventilating machinery was in motion, that he failed to make a thorough and complete examination of mine and discover the gas which we believe must have at that time have accumulated and reported the mine as unsafe before any miners are allowed to enter.

Mr. Rigglenan, as mine boss, to the extent that he failed to properly instruct the men under him who had charge of the running of the ventilating machinery, and in seeing that men were on duty in their respective places.

The Davis Coal & Coke Co., to the extent that they allowed incompetent men to occupy the responsible position of running the ventilating machinery.

In testimony whereof the said Justice and Jurors hereto set their hands.

(Signed)

For the detailed list of persons killed within this mine see pages 211 and 212 of this report.

Two or three Grand Juries have considered the facts brought out by

the Coroner's inquisition and in each hearing the accused have been held under bond for an appearance before a subsequent Grand Jury.

Respectfully submitted,

JAMES W. PAUL,
Chief of Department of Mines.

Charleston, W. Va.

WHIPPLE MINE EXPLOSION.

May 1st, 1907.

See plate IV.

The Whipple mine is operated by the White Oak Fuel Company and is located 1½ miles from Scarbro on the line of the White Oak Railroad in Fayette County. The mine is reached by two shafts having a depth of 446 feet and the coal operated is the New River or Sewell, the same as is operated at Stuart and Parral shaft mines.

At 3:30 o'clock on the afternoon of May 1st, 1907, an explosion occurred in the Thurmond entry section of the mine which resulted in the death of fourteen persons immediately following the explosion and the death of two others, who died as the result of burns, after having been admitted to the McKendree Hospital.

The face of the Thurmond entry and the 2nd Right and 1st Left entries liberated explosive gas and the first rights off Thurmond entry were in coal that had abnormal conditions,—shale having appeared in the coal.

At the face of the First Right at "A", the measures had a section as follows:

coal	6 inches
shale	17 "
coal	32 "
<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>	
Total	55 "

Two men were engaged in advancing the entry at "A" and had been furnished a mining machine with which to undercut the coal.

These two men, after the explosion, were found at "B" and the machine was found near the face in "A", but there was no evidence of the machine having been used to undercut the coal.

Near the left rib at the face of the entry there was a cavity in the breast of the coal that appeared to have been shot out by the use of dynamite.

All the conditions indicated that three holes had been drilled in the lower ply of coal distances of 32, 42 and 66 inches deep respectively. Two of the holes were only 6 to 10 inches apart while the third hole was only 33 inches from the middle hole. These holes had been fired in the solid coal and it would appear that the last shot was responsible for the explosion. The two men at "B" were badly burned.

The flame of the explosion reached the bottom of the shaft and se-

verely burned the stable boss and a man at the pump station and burned several mules which were in the stable near the bottom of the shaft.

The stoppings along the Thurmond entry were blown down and the cage in the shaft was wrecked.

Other than those burned the remaining persons died from the effects of the after damp.

The five men found at "D" had been working at "C" and "F" and had they returned to the shaft on the intake current they would not have lost their lives.

The bodies found in the vicinity of the shaft died from the effects of the after damp.

Five of these men near the shaft were breathing when found and their pulse was beating but the efforts to revive them were not successful.

The force of the explosion extended to "E" on the Dip headings where a door was broken. Men continued to work in a part of the mine until 5:30 P. M. not knowing that an explosion had occurred.

The explosion did not continue along the Rock heading haulway beyond the place marked WET.

This explosion may be classed as one of gas and dust superinduced by excessive use of a high explosive.

For a list of the sixteen persons whose lives were sacrificed see page 215 of this report.

A Coroner's Jury was impaneled under the direction of Mr. J. P. Staton, J. P., which sat at Scarboro and after taking testimony rendered the following verdict:

We, the Jury, find that John Thompson and others, whose names are hereto attached, came to their death by an explosion of Whipple Mines on May 1, 1907; caused by an over charged shot fired from solid, causing dust explosion.

(Signed.) H. M. CRAIG,
J. A. HONAKER,
B. F. WALTERS,
N. H. SPRADLING,
W. H. DAVIS,
BURRELL PETTRY,

JURORS.

Respectfully submitted,

JAMES W. PAUL,
Chief of Department of Mines.

J. W. P.

COAL PRODUCTION BY GEOLOGICAL SERIES AND COUNTIES.
1907.

COUNTIES	Monongahela Series No. 15	Conemaugh Series (Elk River) No. 14	Allegheny- Kanawha Series No. 13	Pottsville-New River-Poca- hontas Series No. 12	Total (Tons of 2240 lbs).
Brooke	481,278		95,724		526,997
Hancock		70,066	8,214		78,280
Marion	8,619,764				8,619,764
Monongalia	144,540		148,056		292,596
Marshall	560,427				560,427
Ohio	186,850				186,850
Barbour	454,554	26,177	295,514		776,245
Gilmer	812				812
Harrison	8,848,819				8,848,819
Lewis	5,528				5,528
Taylor	259,045		157,088		416,133
Upshur	34,842	5,160			39,502
Grant			271,542		271,542
Mineral	262,470	65,068	279,684		607,172
Preston			1,079,692		1,079,692
Randolph			609,880		609,880
Tucker			1,005,219		1,005,219
Braxton	55,774				55,774
Olay			60,252		60,252
Fayette		163,900	1,760,102	5,854,295	7,277,297
Kanawha		480,141	4,145,960		4,626,101
Mason	93,211				93,211
Nicholas			57,412		57,412
Putnam	401,418				401,418
Greenbrier				81,978	81,978
Raleigh				1,104,676	1,104,676
Lincoln			17,589		17,589
Logan			740,607		740,607
Mingo			1,867,100		1,867,100
Wayne			25,217		25,217
McDowell				8,123,699	8,123,699
Mercer				2,009,522	2,009,522
Totals	9,802,322	809,512	12,624,307	16,624,170	39,860,311

PRODUCTION IN WEST VIRGINIA IN 1907 ACCORDING TO GEOLOGICAL SERIES AND COAL BEDS.

(Tons of 2,240 lbs.)

COUNTIES.	Monongahela Series No. 15.			Conemaugh Series (Elk River) No. 14			Allegheny-Kanawha Series No. 13.			
	Sewick- ley.	Red Stone	Pittsburg	Elk Lick.	Mason.	Mahon- ing. No. 5.	Upper Freeport. Lewiston.	Lower Freeport. Coalburg.	Up'r Kit- tanning. Winifrede.	Md'le Kit- tanning. Cedar Grove.
Brooke.....			431,273					95,724		
Hancock.....						70,066		8,214		
Marion.....	9,538		3,610,226				148,056			
Monongalia.....			144,540							
Marshall.....			560,427							
Ohio.....			138,350			26,177	295,514			
Barbour.....		191,705	262,849							
Gilmer.....			312							
Harrison.....			3,843,319							
Lewis.....			5,528				123,996			
Taylor.....			259,045			5,160		38,097		
Upshur.....		34,342								
Grant.....				65,068			192,245			
Mineral.....			262,470				114,370	9,101		
Preston.....							1,022,492			
Randolph.....							609,880			
Tucker.....							422,160			
Braxton.....			55,774							
Olay.....								24,322	35,930	
Fayette.....						162,900				
Kanawha.....					88,133	392,008	194,312	1,234,012	690,111	112,350
Mason.....			93,211					55,636		
Nicholas.....										
Putnam.....			401,413							
Greenbrier.....										
Raleigh.....										
Lincoln.....							3,304		14,285	
Logan.....									705,864	
Mingo.....								21,347	327,257	37,869
Wayne.....									25,217	
McDowell.....										
Mercer.....										
Totals.....	9,538	226,047	9,566,737	65,068	88,133	656,311	3,127,829	1,481,443	1,798,664	150,219

PRODUCTION IN WEST VIRGINIA IN 1907 ACCORDING TO GEOLOGICAL SERIES AND COAL BEDS. — Continued.

(Tons of 2,240 lbs.)

COUNTIES.	Allegheny-Kanawha Series, No 13.				Pottsville-New River-Pocahontas, Series No 12.					TOTALS.	
	Lower Kittanning.				Well	Welch.	Quinn- mont and Beckley.	War- hontas Creek	Poca- hontas No. 3.		
	Camp- bells Creek.	Thacker. Davis	No. 2 Gas.	Powell- ton.							Clarion. No 1 Gas

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

SHAFT MINES IN WEST VIRGINIA FOR THE YEAR ENDING JUNE 30, 1907.

COUNTY	Name of Operator	Name of Mine	Located at	Name of Coal Bed Mined	Depth of Main Shaft to Coal—Feet	Size of Main Shaft—Feet	Depth of Air Shaft to Coal—Feet	Size of Air Shaft—Feet
Jefferson, Ohio & Brooke, W. Va.	La Belle Iron Works.....	La Belle.....	Steubenville, Ohio.....	Up. Freep't	198	10 by 18	190	10 by 10
Marion.....	Fairmont Coal Co.....	a Shaft.....	Barnesville...	Pittsburg..	126	10 by 18	125	10 by 18
".....	Georges Creek Coal & Iron Co.	Chatham No 1...	Farmington..	Pittsburg..	255	10 by 16	255	10 by 10
".....	Georges Creek Coal & Iron Co.	b Chatham No 2.	Farmington..	Sewickley..	130	10 by 10	130	10 by 10
".....	Federal Coal & Coke Co.....	Federal No. 1.....	Greys Flats..	Pittsburg..	256	10 by 18	250	10 by 10
".....	New Central Coal Co.,	Stafford.....	Rivesville....	Pittsburg..	250	10 by 18	250	10 by 10
Marshall.....	Glendale Coal Co.....	Glendale.....	Glendale	Pittsburg..	90	10 by 16	Slope	4 by 8
".....	Glen Easton Coal & Coke Co...	Glen Easton....	Moundsville.	Pittsburg..	186	10 by 20	186	10 by 10
".....	Bituminous Coal Co., of America.....	c (Unknown) ..	Moundsville.	.....	.....	.....	.....	.....
".....	Clearfield and Ohio River Coal Co.....	Mound City.....	Moundsville.	Pittsburg..	153	10 by 16	150	10 by 10
Ohio.....	Elm Grove Coal Co.....	Elm Grove.....	Elm Grove...	Pittsburg..	65	8 by 16	65	5 by 5
Barbour.....	The Century Coal Co., of W. Va.....	Century No. 1....	Century.....	Red Stone..	150	10 by 20	150	10 by 12
".....	Midland Coal & Coke Co.....	Midland.....	Hackers Jctn	Up. Freep't	86	10 by 18	86	10 by 10
Grant.....	Davis Coal & Coke Co.....	Henry No. 22...	Henry.....	Up. Freep't	198	36 by 13	198	23 by 12
".....	Davis Coal & Coke Co.....	d Henry No. 33..	Henry.....	Kittanning	419	31 by 10½	419	23 by 12
Preston.....	Hamilton Coal & Coke Co.....	Newburg.....	Newburg.....	Up. Freep't	160	10 by 20	170	10 by 10
".....	Hamilton Coal & Coke Co.....	d Kittanning....	Newburg.....	Kittanning	360	10 by 20	370	10 by 10
Tucker.....	Davis Coal & Coke Co.....	No. 34 or Thomas	Thomas.....	Lo. Kittan.	187	14 by 10	187	14 by 16
Fayette.....	New River Collieries Co.....	Sun No. 2.....	Sun.....	Sewell.....	Slope	.....	150	12 by 24
".....	White Oak Fuel Co.....	Wingrove... ..	Wingrove....	Sewell.....	178	12 by 28	178	6 by 8
".....	White Oak Fuel Co.....	Scarbrow.....	Scarbrow....	Sewell.....	390	22 in diameter	390	10 by 10
".....	White Oak Fuel Co.....	Whipple.....	Whipple....	Sewell.....	446	12 by 20	446	10 by 10
".....	White Oak Fuel Co.....	e Carlisle.....	Carlisle....	Sewell.....	442	12 by 24	.....	.....
".....	White Oak Fuel Co.....	e Oakwood.....	Carlisle....	Sewell.....	482	12 by 24	.....	.....
".....	Stuart Colliery Co.....	Stuart.....	Stuart.....	Sewell.....	585	12 by 24	+ 585	10 by 12
".....	Stuart Colliery Co.....	Parral.....	Stuart.....	Sewell.....	675	12 by 24	+ 675	10 by 12
".....	Price Hill Fuel Co.....	Sherwood.....	Sherwood....	Sewell.....	119	12 by 18	119	10 by 12

SHAFT MINES IN WEST VIRGINIA FOR THE YEAR ENDING JUNE 30, 1907.—Continued.

COUNTY	Name of Operator	Name of Mine	Located at	Name of Coal Bed Mined	Depth of Main Shaft to Coal—Feet	Size of Main Shaft—feet	Depth of Air Shaft to Coal—Feet	Size of Air Shaft—Feet
Raleigh	Price Hill Fuel Co.	Price Hill	Price Hill	Sewell	121	12 by 18	121	10 by 12
"	Oranberry Fuel Co.	Oranberry	Oranberry	Sewell	430	12 by 24	"	"
"	"	Prosperity	Prosperity	Sewell	470	12 by 24	"	"
"	New River Collieries Co.	Eccle No. 1	Wittenberg	Beckley	440	11½ by 28	"	"
"	"	Eccle No. 2	Wittenberg	Beckley	460	11½ by 28	"	"
McDowell	Cirrus Coal & Coke Co.	Big four or Cirrus	Cirrus	Poca No. 3	Slope	"	90	12 by 12
"	United States Coal & Coke Co.	No. 1	Wilcox	Poca No. 4	104	23 major axis by 17½ min axis	165.3	20 major axis by 14 1-8 min axis
"	"	No. 1	Wilcox	Poca No. 3	173.2	"	168.1	"
"	Middle States Coal & Coke Co.	Middle States	Huger	Poca No. 4	182	15 by 21½	179	10 by 12½
"	Dixon-Pocahontas Fuel Co.	North Side	Olmsted	Poca No. 4	181	14 by 20½	179	11 2½ by 18½
"	Jed Coal & Coke Co.	Jed	Jed	Poca No. 3	276	26 5-8 by 14½	275	18½ by 14½
Mingo	Warfield Coal Co.	Warfield	Kermit	Lo Kittan.	37½	16 by 18	53½	8 by 12

^a—This mine has a slope opening also.

^b—Both the main and air shafts at this mine are driven down to the Pittsburg Coal in No. 1 Mine.

If the Upper Freeport Seam are driven on down to the Kittanning Seam
 nes are connected.
 Mines are connected

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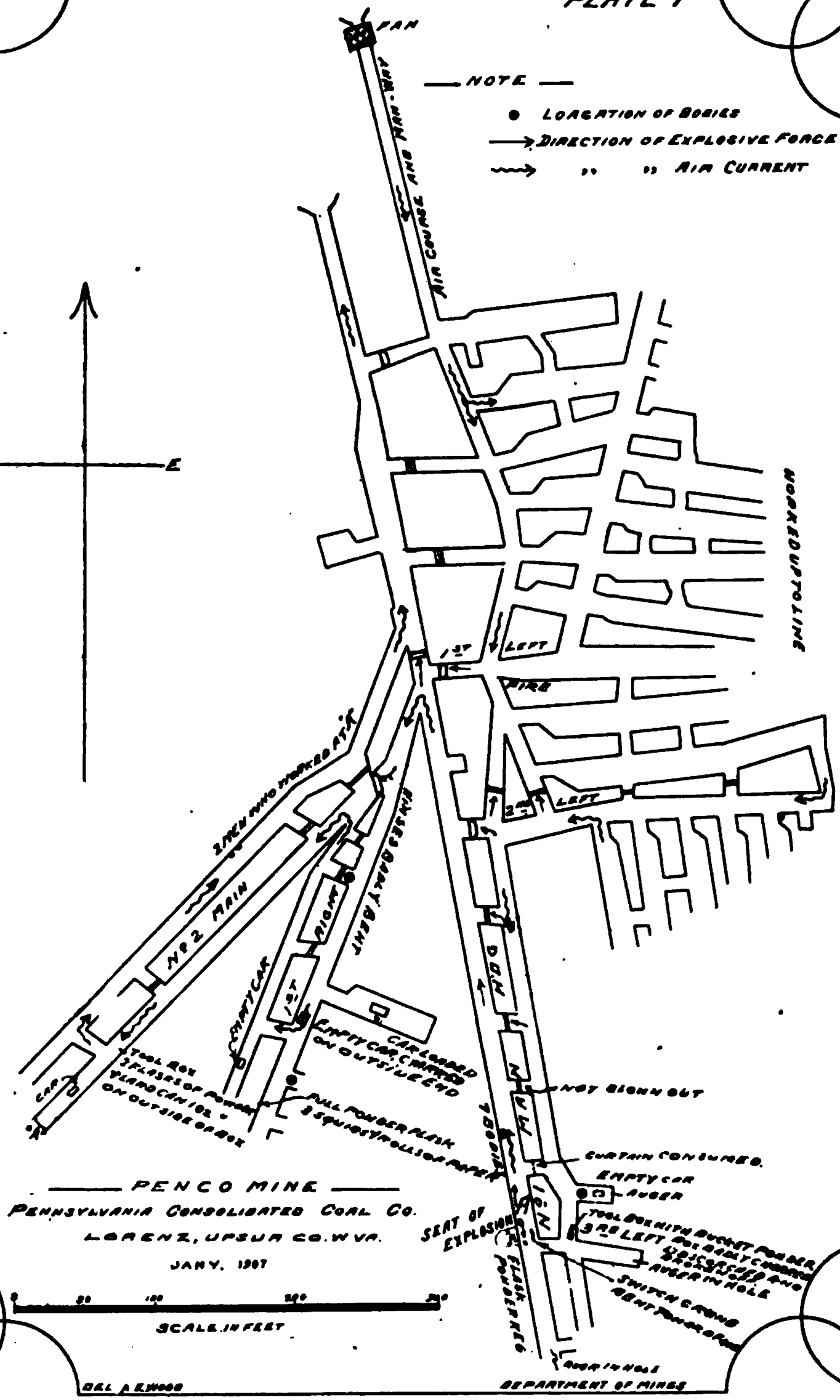
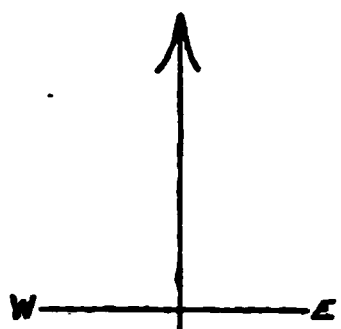
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PLATE I

NOTE

- LOCATION OF BODIES
- DIRECTION OF EXPLOSIVE FORCE
- ~ AIR CURRENT



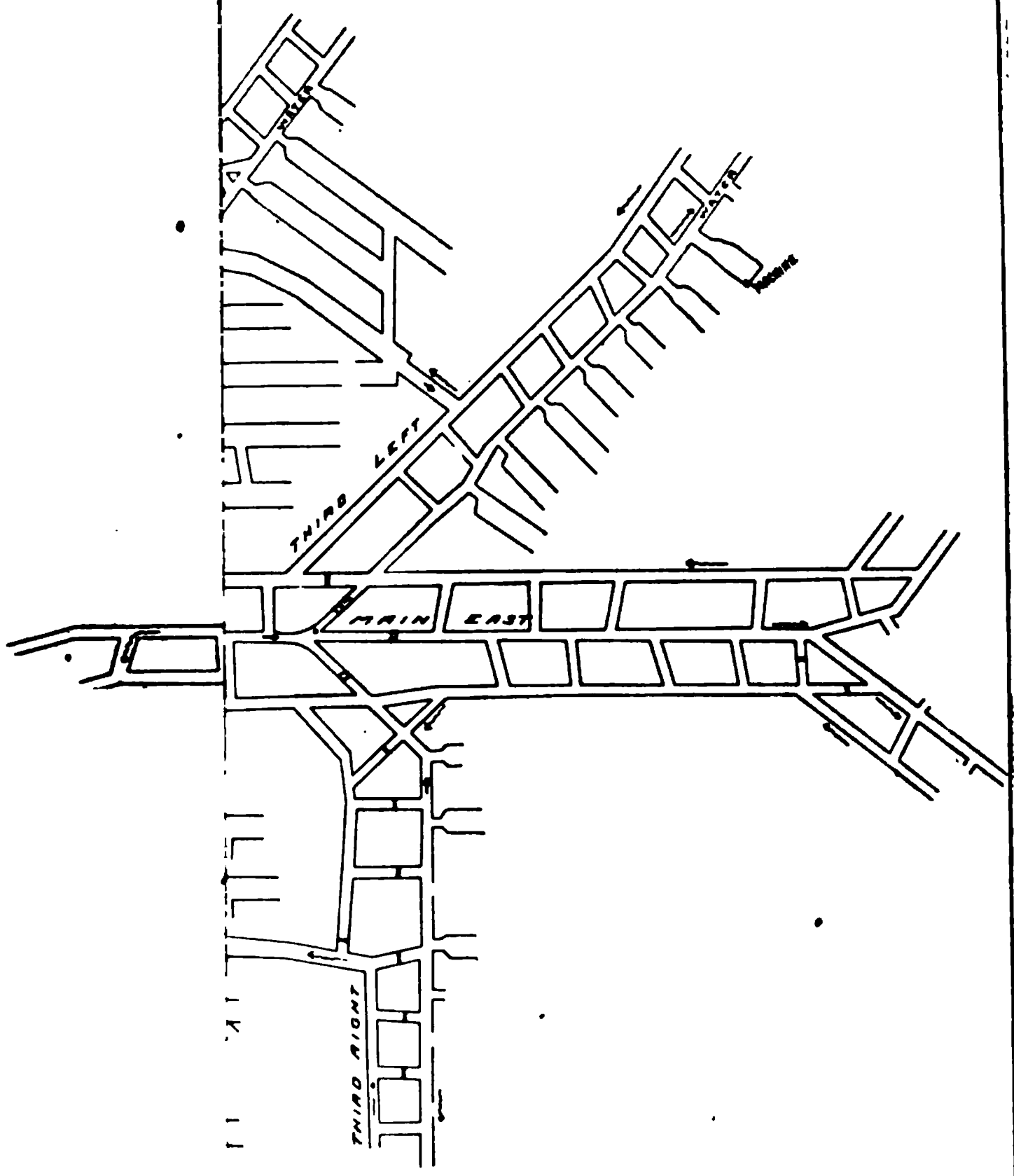
PENCO MINE
PENNSYLVANIA CONSOLIDATED COAL CO.
LORENZ, UPSUR CO. W.VA.
JANY, 1907



DEL. PENCO

DEPARTMENT OF MINES

PLATE II



— *STUART SHAFT MINE.* —

— *STUART COLLIERY CO.* —

— *FAYETTE CO. W. VA.* —

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